

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-075174
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Sundance Unit
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Sundance Federal N-11-9-17
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-047-40028
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NW 2017' FNL 2073' FWL, Uintah County At proposed prod. zone W/2 2635' FSL 1330' FWL, Duchesne County		10. Field and Pool, or Exploratory <del>Monument Butte</del> Eight mile flat
11. Sec., T., R., M., or Blk. and Survey or Area Sec. 11, T9S R17E		
14. Distance in miles and direction from nearest town or post office* Approximately 14.8 miles southeast of Myton, Utah		12. County or Parish Uintah
13. State UT		
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 5' f/lse, 2650' f/unit	16. No. of Acres in lease 720.00	17. Spacing Unit dedicated to this well 20 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1325'	19. Proposed Depth 5845'	20. BLM/BIA Bond No. on file WYB000493
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5064' GL	22. Approximate date work will start* 3rd Quarter 2008	23. Estimated duration Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 4/22/08
Title Regulatory Specialist		
Approved by Signature 	Name (Printed/Typed) BRADLEY G. HILL	Date 05-05-08
Title Officer	ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED

APR 29 2008

DIV. OF OIL, GAS & MINING

Federal Approval of this  
Action is Necessary

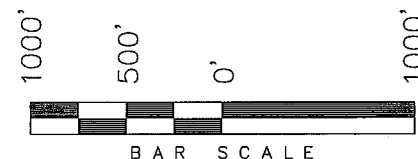
Surf  
587420X  
4433286Y  
40.047170  
- 109.975200

BHL

587195X  
4433090Y  
40.045431  
- 109.977858

*NEWFIELD PRODUCTION COMPANY*

WELL LOCATION, SUNDANCE N-11-9-17,  
LOCATED AS SHOWN IN THE SE 1/4 NW  
1/4 OF SECTION 11, T9S, R17E,  
S.L.B.&M. UTAH COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377

STACY W.  
STEWART  
REGISTERED LAND SURVEYOR  
REGISTRATION No. 40037  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

(435) 781-2501

DATE SURVEYED:  
02-01-08


SURVEYED BY: T.H.

DATE DRAWN:  
02-27-08

DRAWN BY: F.T.M.

REVISÉ:

SCALE: 1" = 1000'

 = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

**SUNDANCE N-11-9-17**  
**(Surface Location) NAD 83**  
**LATITUDE = 40° 02' 49.68"**  
**LONGITUDE = 109° 58' 33.23"**

NEWFIELD PRODUCTION COMPANY  
SUNDANCE FEDERAL N-11-9-17  
AT SURFACE: SE/NW SECTION 11, T9S, R17E  
UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 1216'
Green River	1216'
Wasatch	5845'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1216' – 5845' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY  
SUNDANCE FEDERAL N-11-9-17  
AT SURFACE: SE/NW SECTION 11, T9S, R17E  
UINTAH COUNTY, UTAH**

**ONSHORE ORDER NO. 1**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Newfield Production Company well location site Sundance Federal N-11-9-17 located in the SE 1/4 NW 1/4 Section 11, T9S, R17E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly - 13.3 miles  $\pm$  to it's junction with an existing road to the northeast; proceed northeasterly - 190'  $\pm$  to the existing Federal 6-11-9-17 well location.

**2. PLANNED ACCESS ROAD**

There is no proposed access road for this location. The proposed well will be drilled directionally off of the existing Federal 6-11-9-17 well pad. See attached Topographic Map "B".

**3. LOCATION OF EXISTING WELLS**

Refer to Exhibit "B".

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

The proposed well will be drilled directionally off of the Federal 6-11-9-17 well pad. There will be a pumping unit and a short flow line added to the tank battery for the proposed Sundance Federal N-11-9-17. All permanent surface equipment will be painted Carlsbad Canyon.

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

**5. LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District  
Water Right: 43-10136

Neil Moon Pond  
Water Right: 43-11787

Maurice Harvey Pond  
Water Right: 47-1358

Newfield Collector Well  
Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. **SOURCE OF CONSTRUCTION MATERIALS**

The proposed Sundance Federal N-11-9-17 will be drilled off of the existing Federal 6-11-9-17 well pad. No additional surface disturbance will be required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

Please refer to the Monument Butte Field SOP.

8. **ANCILLARY FACILITIES**

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management (Proposed location and access roads leading to).

12. **OTHER ADDITIONAL INFORMATION**

Newfield Production Company requests 190' of disturbed area be granted in Lease UTU-79013 to allow for construction of the proposed water line. It is proposed that the disturbed area will temporarily be 50' wide to allow for construction of a buried 3" steel water injection line and a buried 3" poly water return line and 30' wide upon completion of the proposed water lines. Refer to Topographic Map "C." For a ROW plan of development, please refer to the Monument Butte Field SOP. In the event that the proposed well is converted to a water injection well, a separate injection permit will be applied for through the proper agencies.

The Archaeological Resource Survey and Paleontological Resource Survey for the 1,400' of proposed water injection pipeline is attached. AERC Project #1597, 4/20/98. Paleontological Resource Survey prepared by, Wade E. Miller, 5/8/03. See attached report cover pages, Exhibit "D".

**Water Disposal**

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

**Threatened, Endangered, And Other Sensitive Species**

None for the proposed Sundance Federal N-11-9-17

**Reserve Pit Liner**

A 16 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

**Location and Reserve Pit Reclamation**

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Squirrell Tail	<i>Elymus Elymoides</i>	6 lbs/acre
Siberian Wheatgrass	<i>Agropyron Fragile</i>	2 lbs/acre
Gardner Saltbush	<i>Atriplex Gardneri</i>	1 lbs/acre
Shadscale	<i>Atriplex Confertifolia</i>	1 lbs/acre
Fourwing Saltbush	<i>Atriplex Canescens</i>	1 lbs/acre
Scarlet Globemallow	<i>Sphaeralcea Conccinea</i>	0.20 lbs/acre
Forage Kochia	<i>Kochia Prostrata</i>	0.20 lbs/acre

**Details of the On-Site Inspection**

The proposed Sundance Federal N-11-9-17 was on-sited on 3/26/08. The following were present; Dave Allred (Newfield Production), Kevan Stevens (Newfield Production ), Michael Cutler (Bureau of Land Management), Brandon McDonald (Bureau of Land Management )and James Herford (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

**LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Dave Allred  
Address: Route #3 Box 3630  
Myton, UT 84052  
Telephone: (435) 646-3721

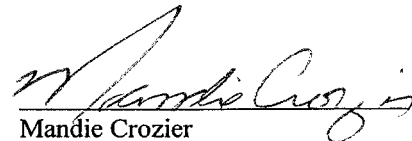
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #N-11-9-17 SE/NW Section 11, Township 9S, Range 17E: Lease UTU-075174 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

4/22/08

Date

  
Mandie Crozier  
Regulatory Specialist  
Newfield Production Company



**Scientific Drilling**  
Rocky Mountain Operations

Project: Uintah County, UT NAD83 UTC  
Site: Sundance  
Well: Sundance N-11-9-17  
Wellbore: OH  
Design: Plan #1

Welfield Exploration Co.

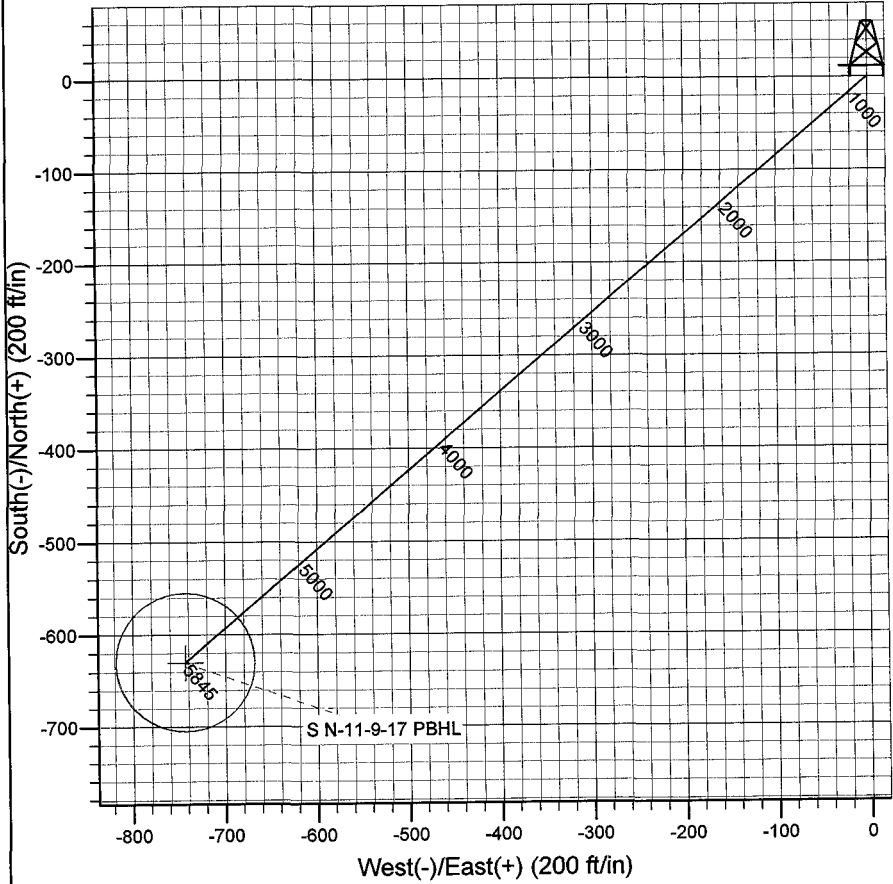
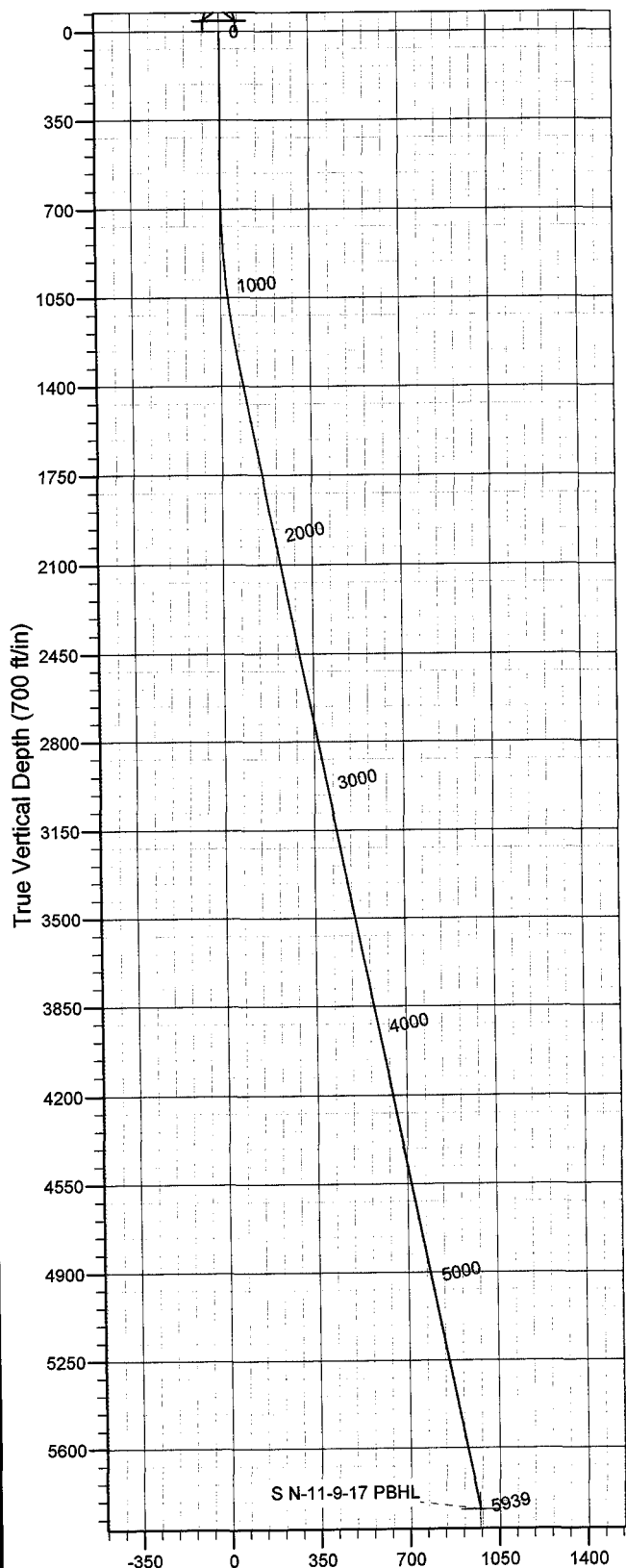


Azimuths to True North  
Magnetic North: 11.67°

Magnetic Field  
Strength: 52622.8snT  
Dip Angle: 65.90°  
Date: 2008-04-23  
Model: IGRF2005-10

WELL DETAILS: Sundance N-11-9-17

GL 5064' & RKB 12' @ 5076.00ft 5064.00  
+N/-S +E/-W Northing Easting Latitude Longitude  
0.00 0.00 7189541.52 2067063.39 40° 2' 49.680 N 109° 58' 33.230 W



Plan: Plan #1 (Sundance N-11-9-17/OH)  
Created By: Julie Cruse Date: 2008-04-23  
PROJECT DETAILS: Uintah County, UT NAD83 UTC  
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Utah Central Zone  
Location:  
System Datum: Mean Sea Level  
Local North: True

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	
1354.65	11.32	229.71	1349.75	-48.05	-56.68	1.50	229.71	74.31	
5939.08	11.32	229.71	5845.00	-629.95	-743.07	0.00	0.00	974.16	S N-11-9-17 PBHL

# **Newfield Exploration Co.**

**Uintah County, UT NAD83 UTC**

**Sundance**

**Sundance N-11-9-17**

**OH**

**Plan: Plan #1**

## **Standard Planning Report**

**23 April, 2008**

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Uintah County, UT NAD83 UTC  
**Site:** Sundance  
**Well:** Sundance N-11-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Sundance N-11-9-17  
**TVD Reference:** GL 5064' & RKB 12' @ 5076.00ft  
**MD Reference:** GL 5064' & RKB 12' @ 5076.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

<b>Project</b>	Uintah County, UT NAD83 UTC		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	Sundance,		
<b>Site Position:</b>		<b>Northing:</b>	7,199,041.33 ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,077,411.03 ft
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	in
		<b>Latitude:</b>	40° 4' 21.790 N
		<b>Longitude:</b>	109° 56' 18.050 W
		<b>Grid Convergence:</b>	1.00 °

<b>Well</b>	Sundance N-11-9-17, 2017' FNL 2073' FWL Sec 11 T9S R17E		
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b> 7,189,541.52 ft
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b> 2,067,063.39 ft
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b>	ft
		<b>Latitude:</b>	40° 2' 49.680 N
		<b>Longitude:</b>	109° 58' 33.230 W
		<b>Ground Level:</b>	5,064.00 ft

<b>Wellbore</b>	OH		
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>
	IGRF2005-10	2008-04-23	11.67
		<b>Dip Angle (°)</b>	65.90
		<b>Field Strength (nT)</b>	52,623

<b>Design</b>	Plan #1		
<b>Audit Notes:</b>			
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b> 0.00
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			<b>Direction (°)</b>
			229.71

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,354.65	11.32	229.71	1,349.75	-48.05	-56.68	1.50	1.50	0.00	229.71	
5,939.08	11.32	229.71	5,845.00	-629.95	-743.07	0.00	0.00	0.00	0.00	S N-11-9-17 PBHL

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Uintah County, UT NAD83 UTC  
**Site:** Sundance  
**Well:** Sundance N-11-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Sundance N-11-9-17  
**TVD Reference:** GL 5064' & RKB 12' @ 5076.00ft  
**MD Reference:** GL 5064' & RKB 12' @ 5076.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	1.50	229.71	699.99	-0.85	-1.00	1.31	1.50	1.50	0.00
800.00	3.00	229.71	799.91	-3.39	-3.99	5.23	1.50	1.50	0.00
900.00	4.50	229.71	899.69	-7.61	-8.98	11.77	1.50	1.50	0.00
1,000.00	6.00	229.71	999.27	-13.53	-15.96	20.92	1.50	1.50	0.00
1,100.00	7.50	229.71	1,098.57	-21.13	-24.93	32.68	1.50	1.50	0.00
1,200.00	9.00	229.71	1,197.54	-30.41	-35.87	47.03	1.50	1.50	0.00
1,300.00	10.50	229.71	1,296.09	-41.36	-48.79	63.96	1.50	1.50	0.00
1,354.65	11.32	229.71	1,349.75	-48.05	-56.68	74.31	1.50	1.50	0.00
1,400.00	11.32	229.71	1,394.22	-53.81	-63.47	83.21	0.00	0.00	0.00
1,500.00	11.32	229.71	1,492.27	-66.50	-78.44	102.83	0.00	0.00	0.00
1,600.00	11.32	229.71	1,590.33	-79.19	-93.41	122.46	0.00	0.00	0.00
1,700.00	11.32	229.71	1,688.38	-91.88	-108.38	142.09	0.00	0.00	0.00
1,800.00	11.32	229.71	1,786.44	-104.58	-123.36	161.72	0.00	0.00	0.00
1,900.00	11.32	229.71	1,884.49	-117.27	-138.33	181.35	0.00	0.00	0.00
2,000.00	11.32	229.71	1,982.55	-129.96	-153.30	200.98	0.00	0.00	0.00
2,100.00	11.32	229.71	2,080.60	-142.66	-168.27	220.61	0.00	0.00	0.00
2,200.00	11.32	229.71	2,178.66	-155.35	-183.25	240.23	0.00	0.00	0.00
2,300.00	11.32	229.71	2,276.71	-168.04	-198.22	259.86	0.00	0.00	0.00
2,400.00	11.32	229.71	2,374.76	-180.73	-213.19	279.49	0.00	0.00	0.00
2,500.00	11.32	229.71	2,472.82	-193.43	-228.16	299.12	0.00	0.00	0.00
2,600.00	11.32	229.71	2,570.87	-206.12	-243.14	318.75	0.00	0.00	0.00
2,700.00	11.32	229.71	2,668.93	-218.81	-258.11	338.38	0.00	0.00	0.00
2,800.00	11.32	229.71	2,766.98	-231.51	-273.08	358.01	0.00	0.00	0.00
2,900.00	11.32	229.71	2,865.04	-244.20	-288.05	377.63	0.00	0.00	0.00
3,000.00	11.32	229.71	2,963.09	-256.89	-303.02	397.26	0.00	0.00	0.00
3,100.00	11.32	229.71	3,061.15	-269.59	-318.00	416.89	0.00	0.00	0.00
3,200.00	11.32	229.71	3,159.20	-282.28	-332.97	436.52	0.00	0.00	0.00
3,300.00	11.32	229.71	3,257.26	-294.97	-347.94	456.15	0.00	0.00	0.00
3,400.00	11.32	229.71	3,355.31	-307.66	-362.91	475.78	0.00	0.00	0.00
3,500.00	11.32	229.71	3,453.37	-320.36	-377.89	495.40	0.00	0.00	0.00
3,600.00	11.32	229.71	3,551.42	-333.05	-392.86	515.03	0.00	0.00	0.00
3,700.00	11.32	229.71	3,649.48	-345.74	-407.83	534.66	0.00	0.00	0.00
3,800.00	11.32	229.71	3,747.53	-358.44	-422.80	554.29	0.00	0.00	0.00
3,900.00	11.32	229.71	3,845.59	-371.13	-437.77	573.92	0.00	0.00	0.00
4,000.00	11.32	229.71	3,943.64	-383.82	-452.75	593.55	0.00	0.00	0.00
4,100.00	11.32	229.71	4,041.69	-396.51	-467.72	613.18	0.00	0.00	0.00
4,200.00	11.32	229.71	4,139.75	-409.21	-482.69	632.80	0.00	0.00	0.00
4,300.00	11.32	229.71	4,237.80	-421.90	-497.66	652.43	0.00	0.00	0.00
4,400.00	11.32	229.71	4,335.86	-434.59	-512.64	672.06	0.00	0.00	0.00
4,500.00	11.32	229.71	4,433.91	-447.29	-527.61	691.69	0.00	0.00	0.00
4,600.00	11.32	229.71	4,531.97	-459.98	-542.58	711.32	0.00	0.00	0.00
4,700.00	11.32	229.71	4,630.02	-472.67	-557.55	730.95	0.00	0.00	0.00
4,800.00	11.32	229.71	4,728.08	-485.36	-572.52	750.58	0.00	0.00	0.00
4,900.00	11.32	229.71	4,826.13	-498.06	-587.50	770.20	0.00	0.00	0.00
5,000.00	11.32	229.71	4,924.19	-510.75	-602.47	789.83	0.00	0.00	0.00
5,100.00	11.32	229.71	5,022.24	-523.44	-617.44	809.46	0.00	0.00	0.00
5,200.00	11.32	229.71	5,120.30	-536.14	-632.41	829.09	0.00	0.00	0.00

# Scientific Drilling

## Planning Report

**Database:** EDM 2003.16 Multi-User Db  
**Company:** Newfield Exploration Co.  
**Project:** Uintah County, UT NAD83 UTC  
**Site:** Sundance  
**Well:** Sundance N-11-9-17  
**Wellbore:** OH  
**Design:** Plan #1

**Local Co-ordinate Reference:** Well Sundance N-11-9-17  
**TVD Reference:** GL 5064' & RKB 12' @ 5076.00ft  
**MD Reference:** GL 5064' & RKB 12' @ 5076.00ft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.00	11.32	229.71	5,218.35	-548.83	-647.39	848.72	0.00	0.00	0.00
5,400.00	11.32	229.71	5,316.41	-561.52	-662.36	868.35	0.00	0.00	0.00
5,500.00	11.32	229.71	5,414.46	-574.21	-677.33	887.97	0.00	0.00	0.00
5,600.00	11.32	229.71	5,512.51	-586.91	-692.30	907.60	0.00	0.00	0.00
5,700.00	11.32	229.71	5,610.57	-599.60	-707.28	927.23	0.00	0.00	0.00
5,800.00	11.32	229.71	5,708.62	-612.29	-722.25	946.86	0.00	0.00	0.00
5,900.00	11.32	229.71	5,806.68	-624.99	-737.22	966.49	0.00	0.00	0.00
5,939.08	11.32	229.71	5,845.00	-629.95	-743.07	974.16	0.00	0.00	0.00

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
S N-11-9-17 PBHL	0.00	0.00	5,845.00	-629.95	-743.07	7,188,899.01	2,066,331.17	40° 2' 43.454 N	109° 58' 42.785 W
- plan hits target center									
- Circle (radius 75.00)									

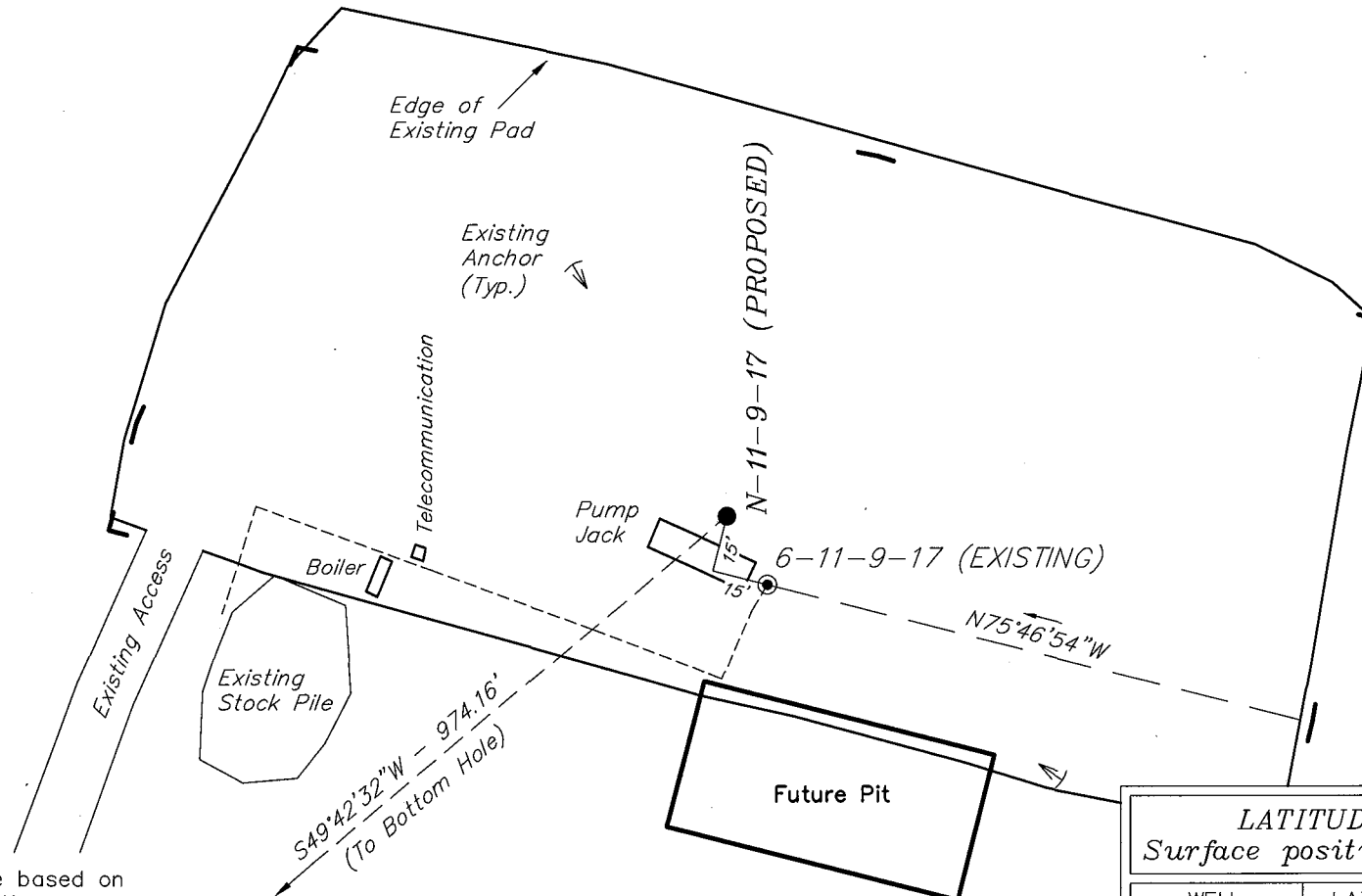
# NEWFIELD PRODUCTION COMPANY

## WELL PAD INTERFERENCE PLAT

SUNDANCE N-11-9-17 (Proposed Well)

SUNDANCE 6-11-9-17 (Existing Well)

Pad Location: SENW Section 11, T9S, R17E, S.L.B.&M.



### TOP HOLE FOOTAGES

N-11-9-17 (PROPOSED)  
2017' FNL & 2073' FWL

### BOTTOM HOLE FOOTAGES

N-11-9-17 (PROPOSED)  
2635' FSL & 1330' FWL

#### Note:

Bearings are based on  
GLO Information.

### RELATIVE COORDINATES From top hole to bottom hole

WELL	NORTH	EAST
N-11-9-17	-630'	-743'

### LATITUDE & LONGITUDE Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
N-11-9-17	40° 02' 49.68"	109° 58' 33.23"
6-11-9-17	40° 02' 49.50"	109° 58' 33.09"

SURVEYED BY: T.H.	DATE SURVEYED: 02-01-08
DRAWN BY: F.T.M.	DATE DRAWN: 02-27-08
SCALE: 1" = 50'	REVISED:

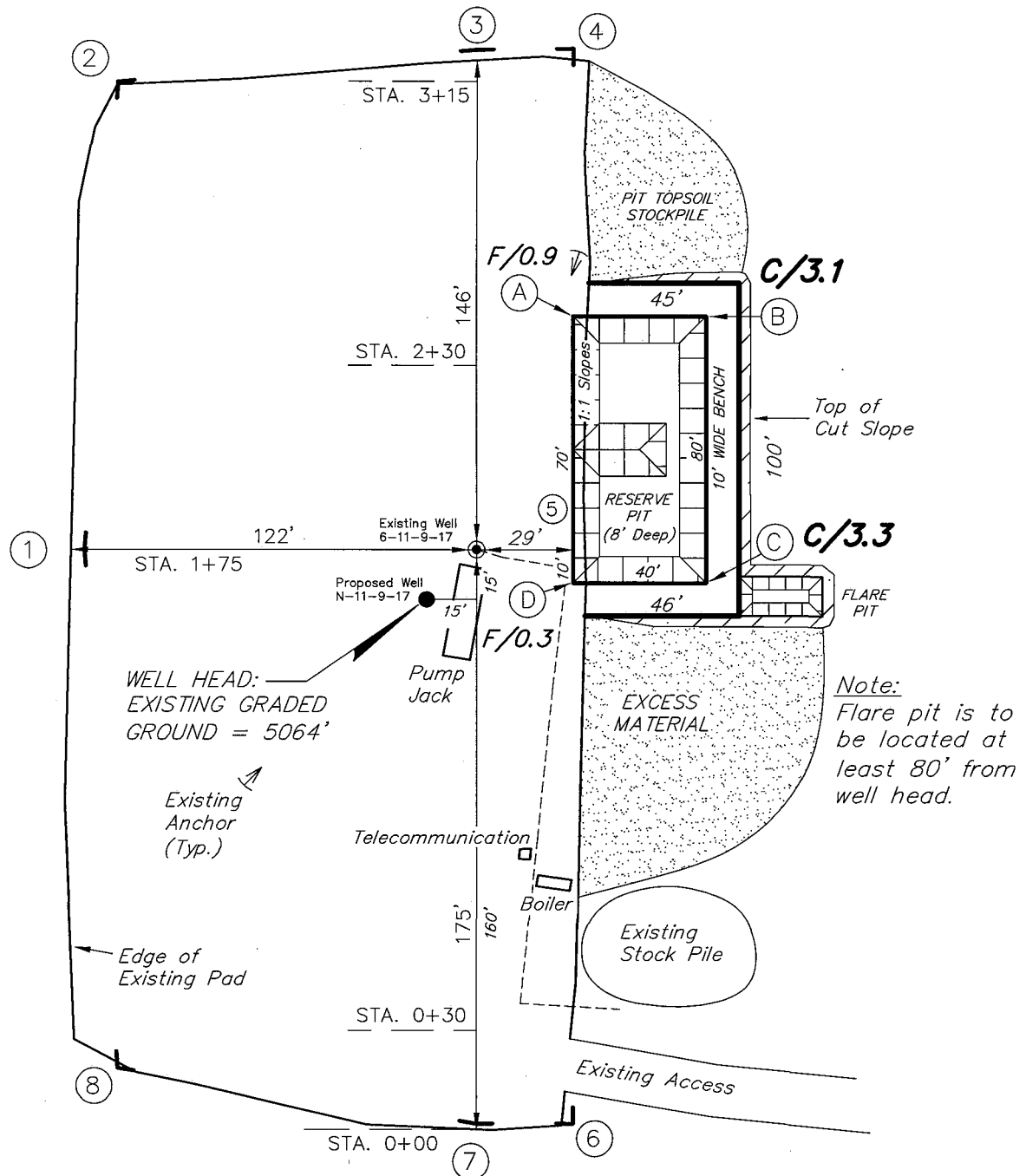
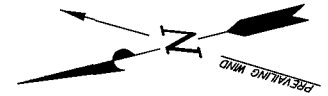
**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

SUNDANCE N-11-9-17 (Proposed Well)

SUNDANCE 6-11-9-17 (Existing Well)

Pad Location: SENW Section 11, T9S, R17E, S.L.B.&M.



SURVEYED BY: T.H.	DATE SURVEYED: 02-01-08
DRAWN BY: F.T.M.	DATE DRAWN: 02-27-08
SCALE: 1" = 50'	REVISED:

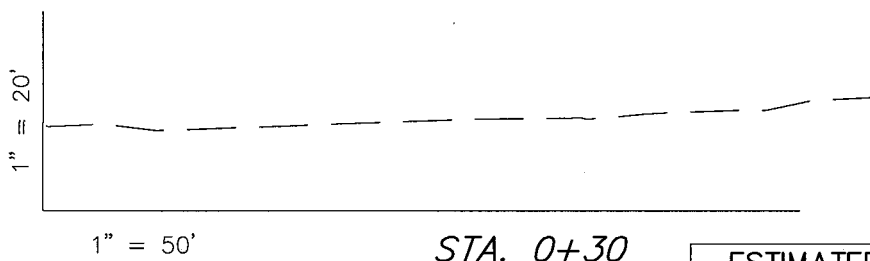
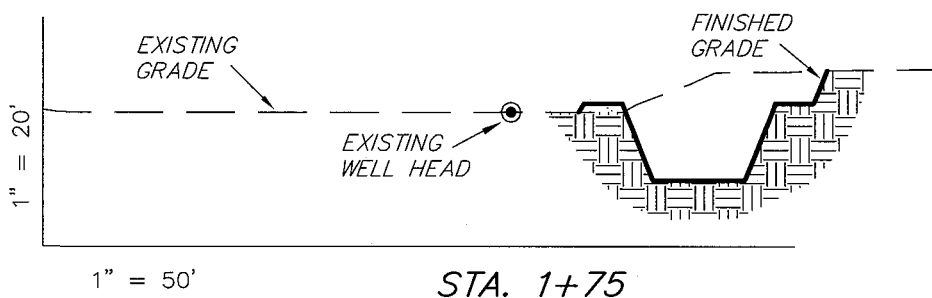
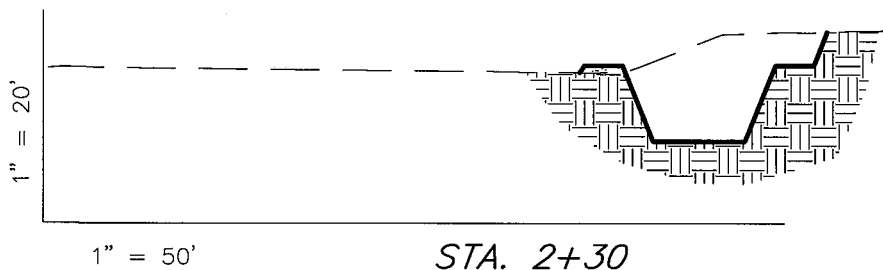
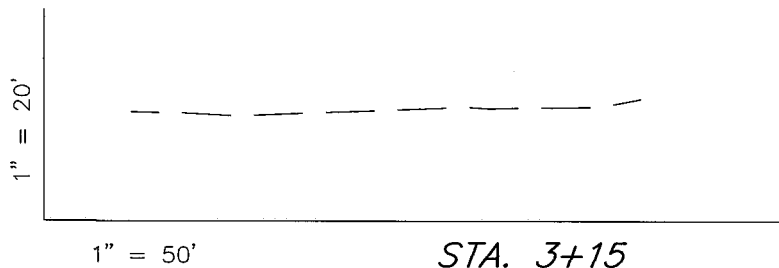
**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# NEWFIELD PRODUCTION COMPANY

## CROSS SECTIONS

SUNDANCE N-11-9-17 (Proposed Well)

SUNDANCE 6-11-9-17 (Existing Well)



NOTE:  
UNLESS OTHERWISE NOTED  
CUT SLOPES ARE AT 1:1  
FILL SLOPES ARE AT 1.5:1

### ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	500	30	Topsoil is not included in Pad Cut	470
PIT	640	0		640
TOTALS	1,140	30	130	1,110

SURVEYED BY: T.H.	DATE SURVEYED: 02-01-08
DRAWN BY: F.T.M.	DATE DRAWN: 02-27-08
SCALE: 1" = 50'	REVISED:

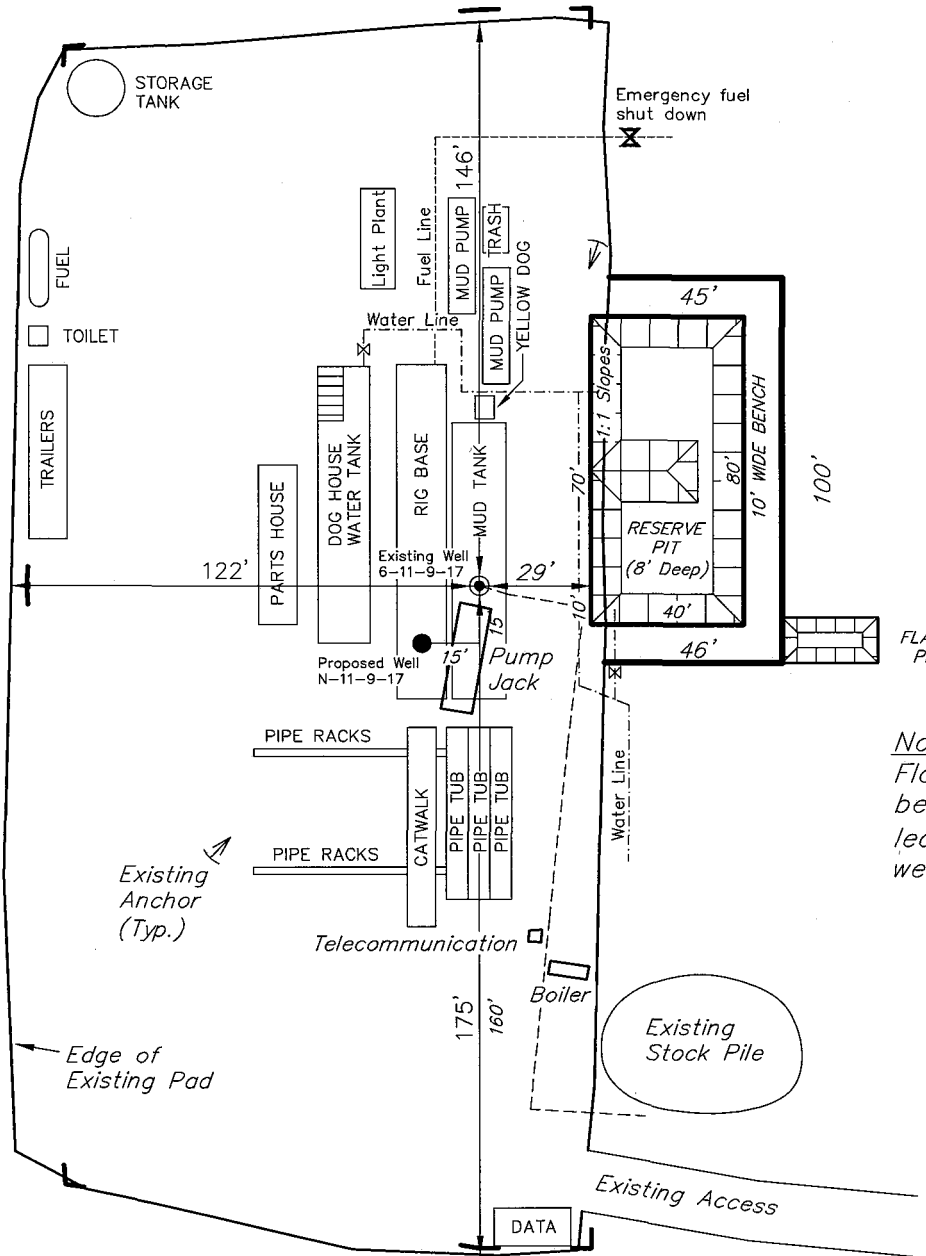
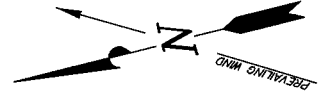
**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
(435) 781-2501

# NEWFIELD PRODUCTION COMPANY

## TYPICAL RIG LAYOUT

SUNDANCE N-11-9-17 (Proposed Well)

SUNDANCE 6-11-9-17 (Existing Well)



Note:  
Flare pit is to be located at least 80' from well head.

SURVEYED BY: T.H.	DATE SURVEYED: 02-01-08
DRAWN BY: F.T.M.	DATE DRAWN: 02-27-08
SCALE: 1" = 50'	REVISED:

**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# Newfield Production Company Proposed Site Facility Diagram

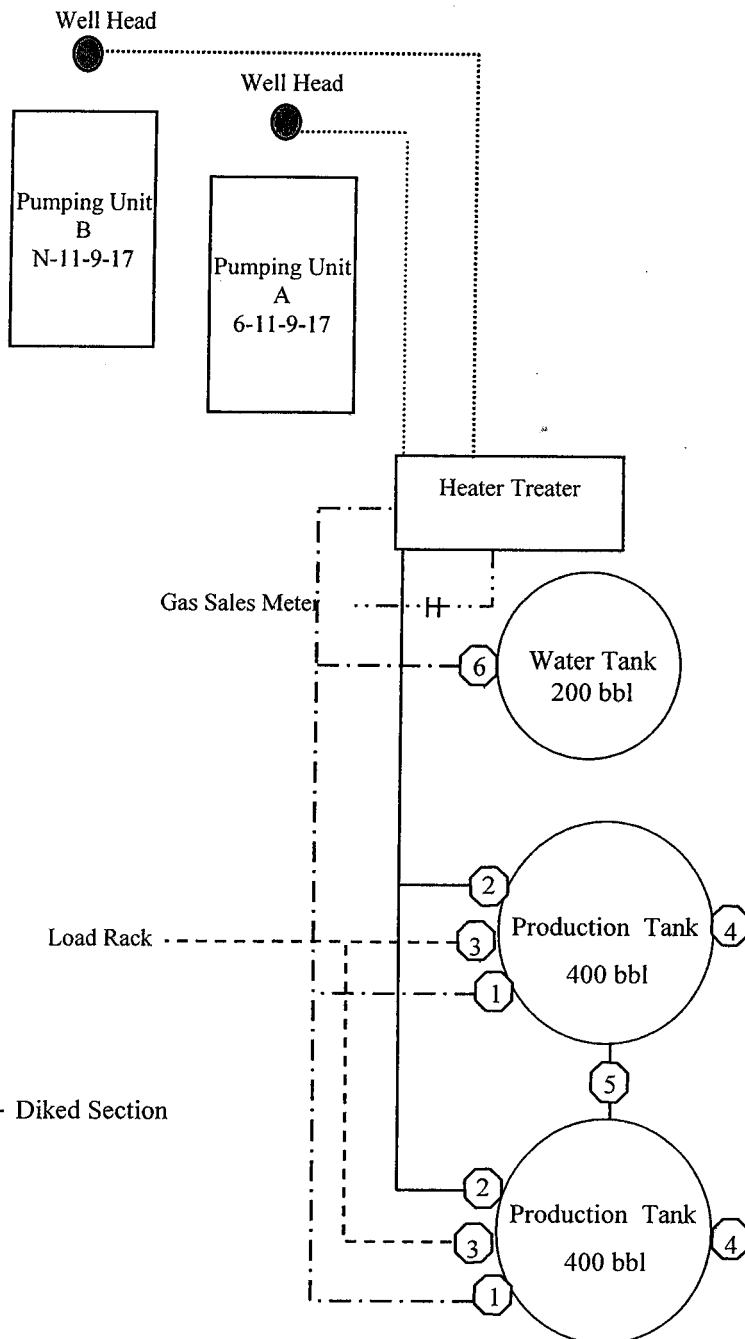
Sundance Federal N-11-9-17

From the 6-11-9-17 Location

SE/NW Sec. 11 T9S, R17E

Uintah County, Utah

UTU-075174



Site Security Plan is held at the Pleasant Valley Office, Duchesne County, Utah

## Production Phase:

- 1) Valves 1, 3, and 4 sealed closed
- 2) Valves 2, 5, and 6 sealed open

## Sales Phase:

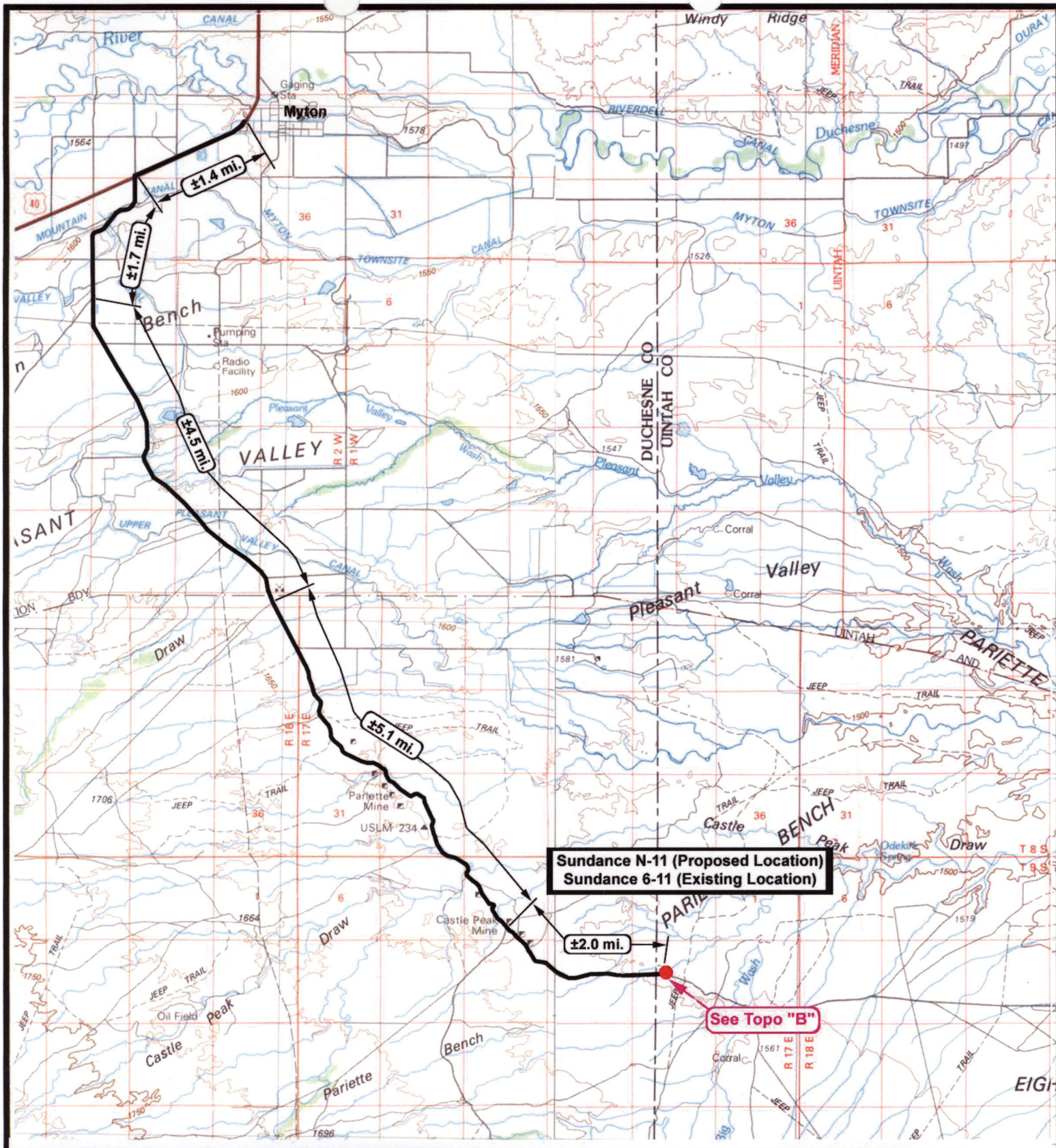
- 1) Valves 1, 2, 4, 5, and 6 sealed closed
- 2) Valve 3 open

## Draining Phase:

- 1) Valves 1 and 6 open


## Legend

Emulsion Line	.....
Load Rack	-----
Water Line	- - - - -
Gas Sales	- . - . -
Oil Line	_____



**Sundance N-11 (Proposed Location)**  
**Sundance 6-11 (Existing Location)**

**See Topo "B"**



**NEWFIELD**  
Exploration Company

**Sundance N-11-9-17 (Proposed Location)**  
**Sundance 6-11-9-17 (Existing Location)**  
**Pad Location SENW SEC. 11, T9S, R17E, S.L.B.&M.**





**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

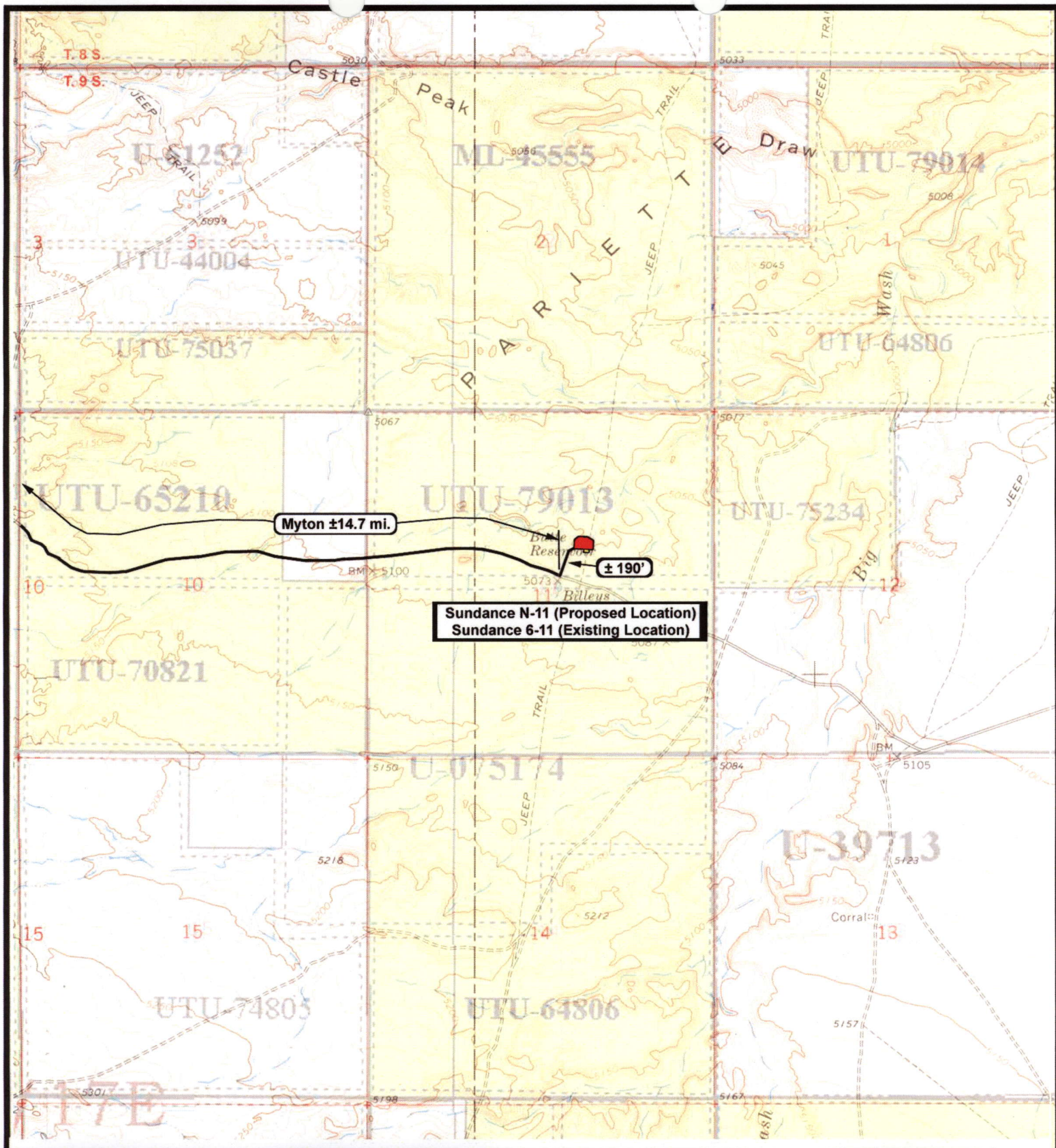
SCALE: 1:100,000  
 DRAWN BY: nc  
 DATE: 02-29-2008

**Legend**

Existing Road

TOPOGRAPHIC MAP

A



**NEWFIELD**  
Exploration Company

**Sundance N-11-9-17 (Proposed Location)**  
**Sundance 6-11-9-17 (Existing Location)**  
Pad Location SENW SEC. 11, T9S, R17E, S.L.B.&M.



**Tri-State**  
Land Surveying Inc.  
(435) 781-2501  
180 North Vernal Ave. Vernal, Utah 84078

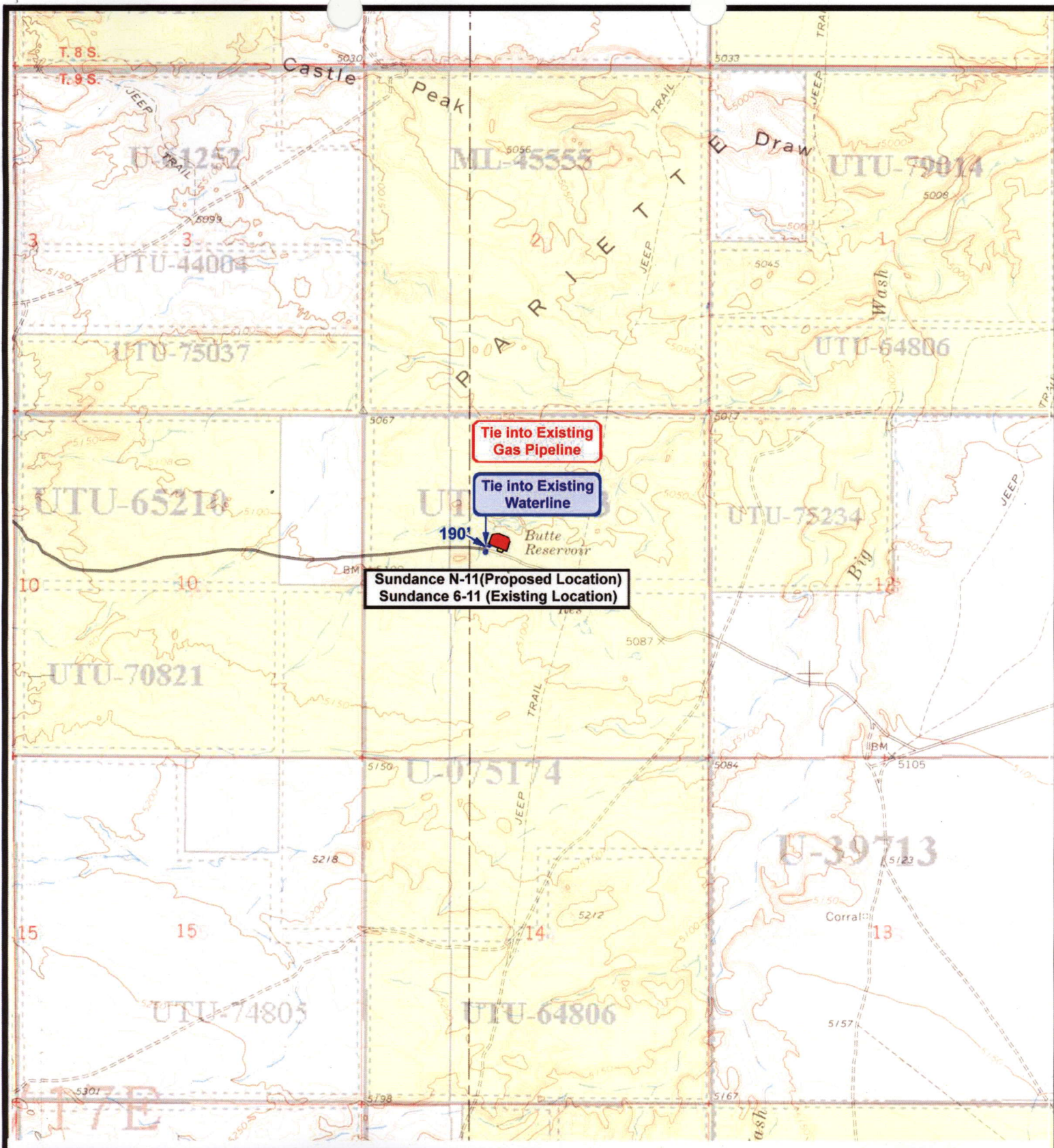
SCALE: 1" = 2000'  
DRAWN BY: nc  
DATE: 02-29-2008




**Legend**

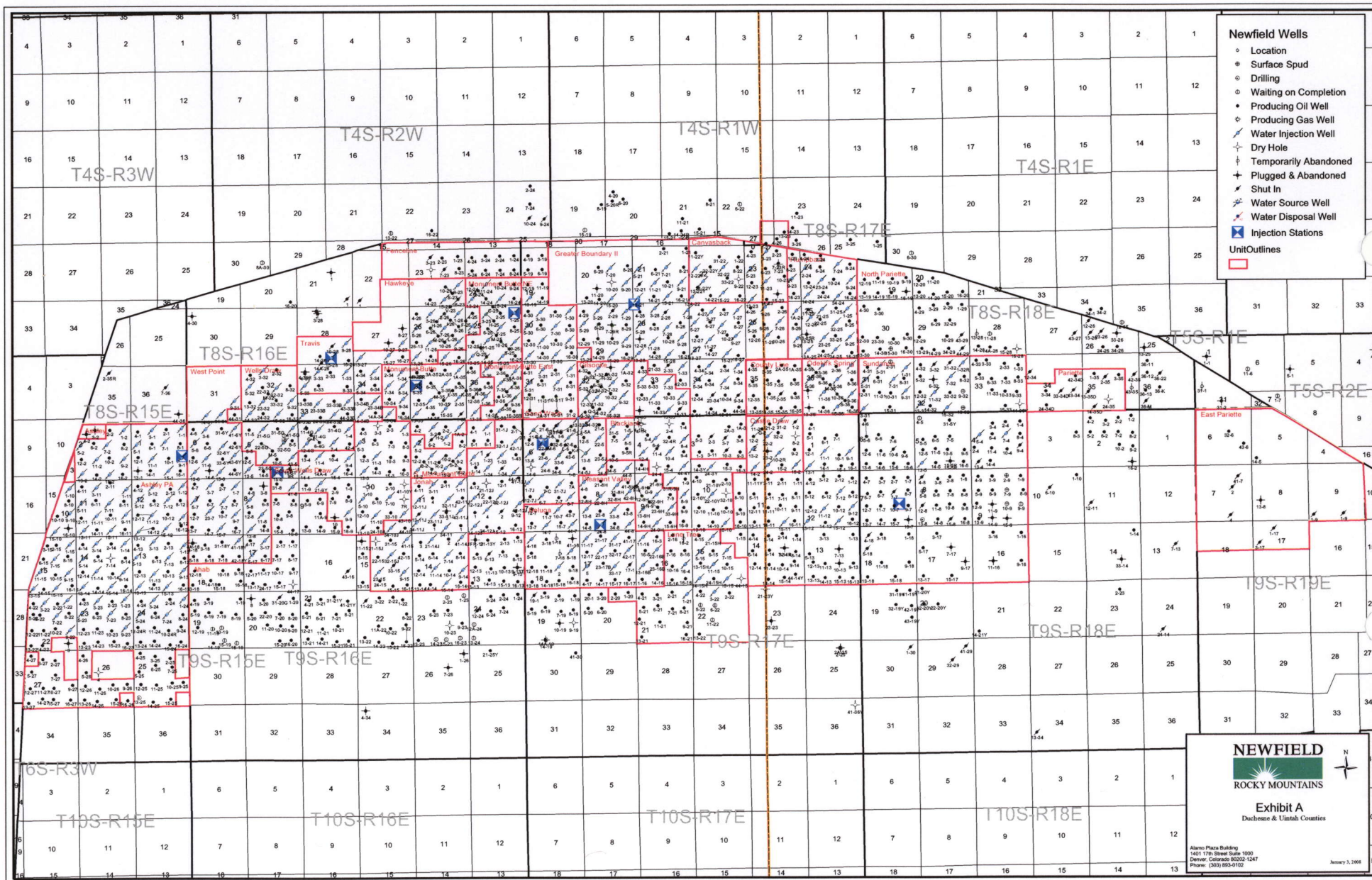
Existing Road

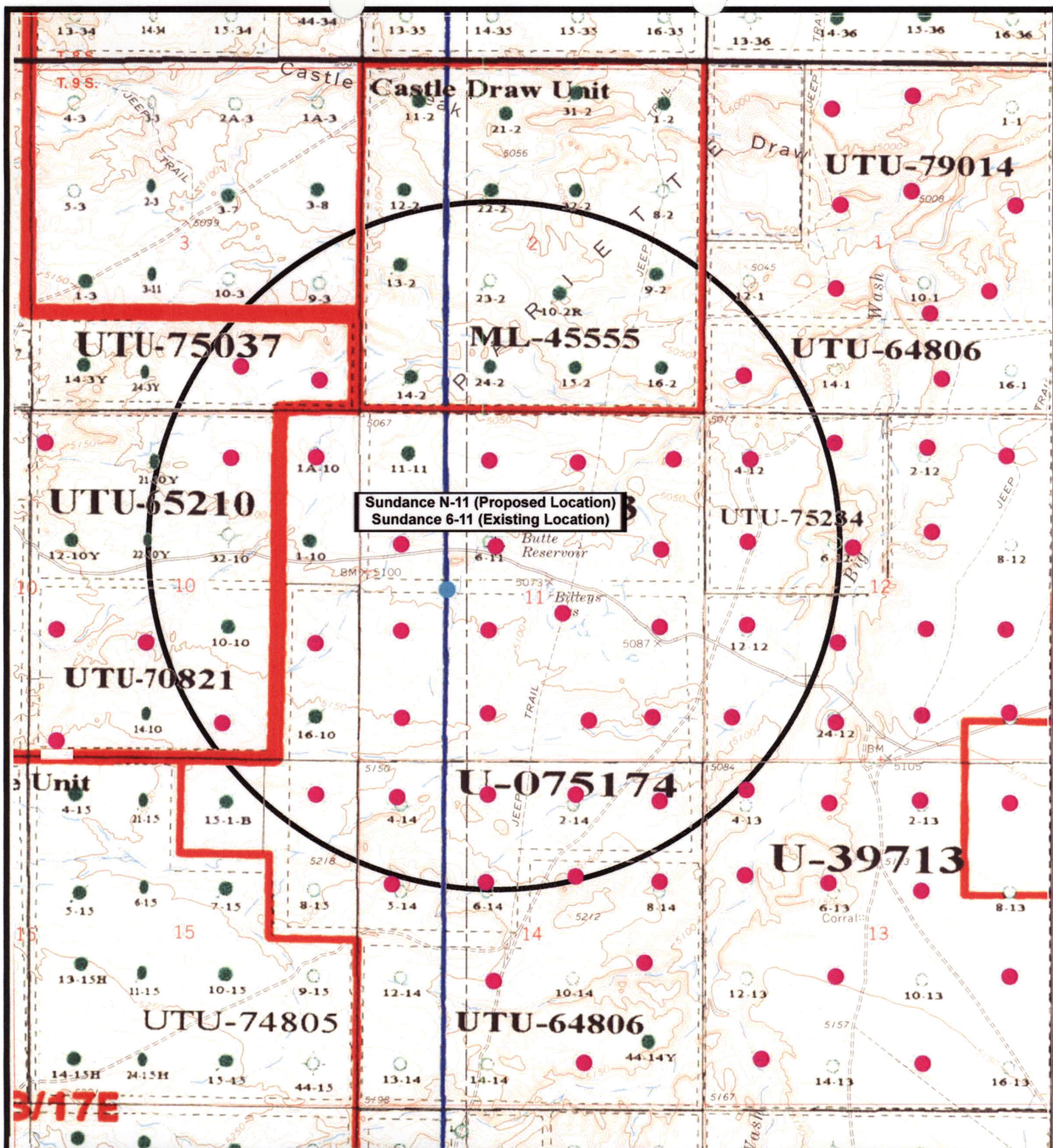
TOPOGRAPHIC MAP



**"B"**



 <p><b>NEWFIELD</b> Exploration Company</p> <p><b>Sundance N-11-9-17 (Proposed Location)</b> <b>Sundance 6-11-9-17 (Existing Location)</b> Pad Location SENW SEC. 11, T9S, R17E, S.L.B.&amp;M.</p>		 <p><b>Tri-State</b> Land Surveying Inc. (435) 781-2501 180 North Vernal Ave. Vernal, Utah 84078</p> <p>SCALE: 1" = 2,000' DRAWN BY: nc DATE: 02-29-2008</p>	<p><b>Legend</b></p> <p>— Roads - - - Proposed Waterline</p> <p><b>TOPOGRAPHIC MAP</b></p> <p><b>"C"</b></p>
---	---	---	--





 <p><b>NEWFIELD</b> Exploration Company</p>		<p><b>Tri-State</b> Land Surveying Inc. (435) 781-2501 180 North Vernal Ave. Vernal, Utah 84078</p> <p>SCALE: 1" = 2,000' DRAWN BY: nc DATE: 02-29-2008</p>	<p><b>Legend</b></p> <ul style="list-style-type: none"> <li>● Pad Location</li> <li>● Bottom Hole Location</li> <li>○ One-Mile Radius</li> </ul> <p><b>Exhibit "B"</b></p>
<p><b>Sundance N-11-9-17 (Proposed Location)</b> <b>Sundance 6-11-9-17 (Existing Location)</b> <b>Pad Location SENWSEC. 11, T9S, R17E, S.L.B.&amp;M.</b></p>			

# 2-M SYSTEM

Blowout Prevention Equipment Systems

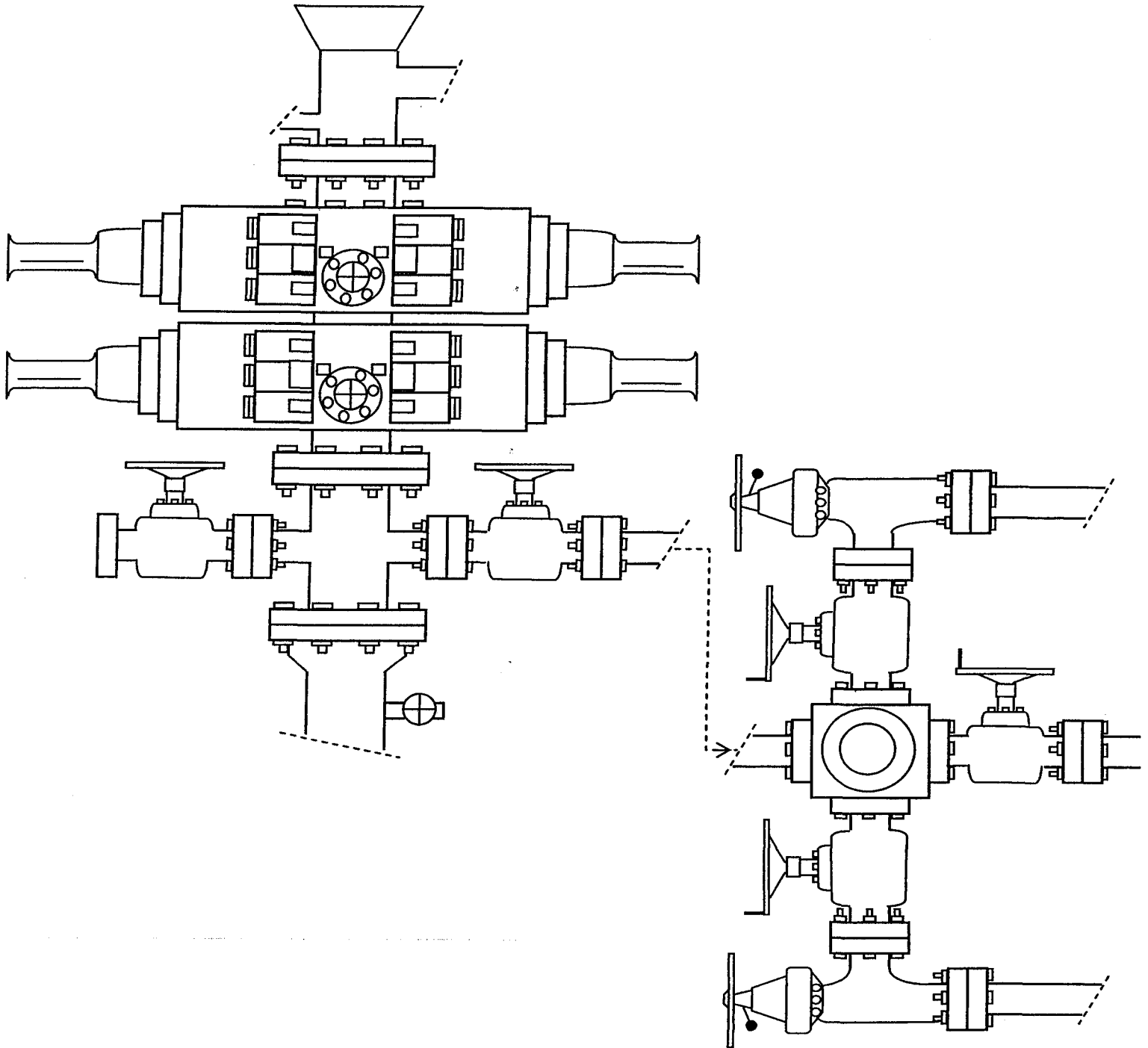


EXHIBIT C

# CULTURAL RESOURCE EVALUATION OF 16 PROPOSED INLAND UNITS IN THE SOUTH WELLS DRAW -- CASTLE PEAK DRAW -- PARIETTE BENCH LOCALITIES OF UINTAH & DUCHESNE COUNTIES, UTAH

Exhibit "D"  
1 of 2

Report Prepared for Inland Resources, Inc.

Units 6-10(9-16), 13-10(9-16), 7-36(8-17), 11-36(8-17), 1-35(8-17), 7-35(8-17), 9-35(8-17),  
9-2(9-17), 15-2(9-17), 16-2(9-17), 1-11(9-17), 2-11(9-17), 3-11(9-17), 6-11(9-17), 7-11(9-17),  
& 8-11(9-17)

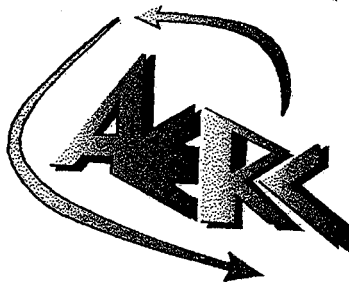
Department of Interior Permit No.: UI-98-54937

Utah State Project No.: UI-98-AF-0166bs

AERC Project 1597 (CNG98-3B)

Author of the Report:

F. Richard Hauck



## ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH CORPORATION

181 North 200 West, Suite 5 -- Bountiful, Utah 84010

P.O. Box 853, Bountiful, Utah 84011

Phone: (801) 292-7061, 292-9668 FAX: (801) 292-0614

E-mail: [ari@xmission.com](mailto:ari@xmission.com) Web page: [www.ari-aerc.org](http://www.ari-aerc.org)

April 20, 1998

2 of 2

**INLAND RESOURCES, INC.**

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED  
PRODUCTION DEVELOPMENT AREAS,  
DUCHESNE AND Uintah COUNTIES, UTAH**

(South ½ Section 6, T 9 S, R 18 E; South ½ Section 1, T 9 S, R 17 E;  
all of Sections 11 and 12, the NW, SE & NE quarters of the SW ¼ Section 10,  
the NE ¼ & SE ¼ of the SE ¼ Section 9, T 9 S, R 17 E and the SE ¼, SW ¼,  
NE ¼ and SE ¼ of the SE ¼, Section 33, T 8 S, R 17 E.)

**REPORT OF SURVEY**

Prepared for:

**Inland Resources, Inc.**

Prepared by:

Wade E. Miller  
Consulting Paleontologist  
May 8, 2003

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/29/2008

API NO. ASSIGNED: 43-047-40028

WELL NAME: SUNDANCE FED N-11-9-17

OPERATOR: NEWFIELD PRODUCTION ( N2695 )

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENW 11 090S 170E

SURFACE: 2017 FNL 2073 FWL

BOTTOM: 2635 FSL 1330 FWL

COUNTY: UINTAH

LATITUDE: 40.04717 LONGITUDE: -109.9752

UTM SURF EASTINGS: 587420 NORTHINGS: 4433286

FIELD NAME: 8 MILE FLAT NORTH ( 590 )

INSPECT LOCATN BY: / /

**Tech Review**

**Initials**

**Date**

Engineering

Geology

Surface

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-075174

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000493 )

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit  
(No. 43-10136 )

☒ RDCC Review (Y/N)  
(Date: )

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

       R649-2-3.

Unit: SUNDANCE (GRRV)

       R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

       R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 228-08

Eff Date: 6-15-2005

Siting: Suspends General Siting

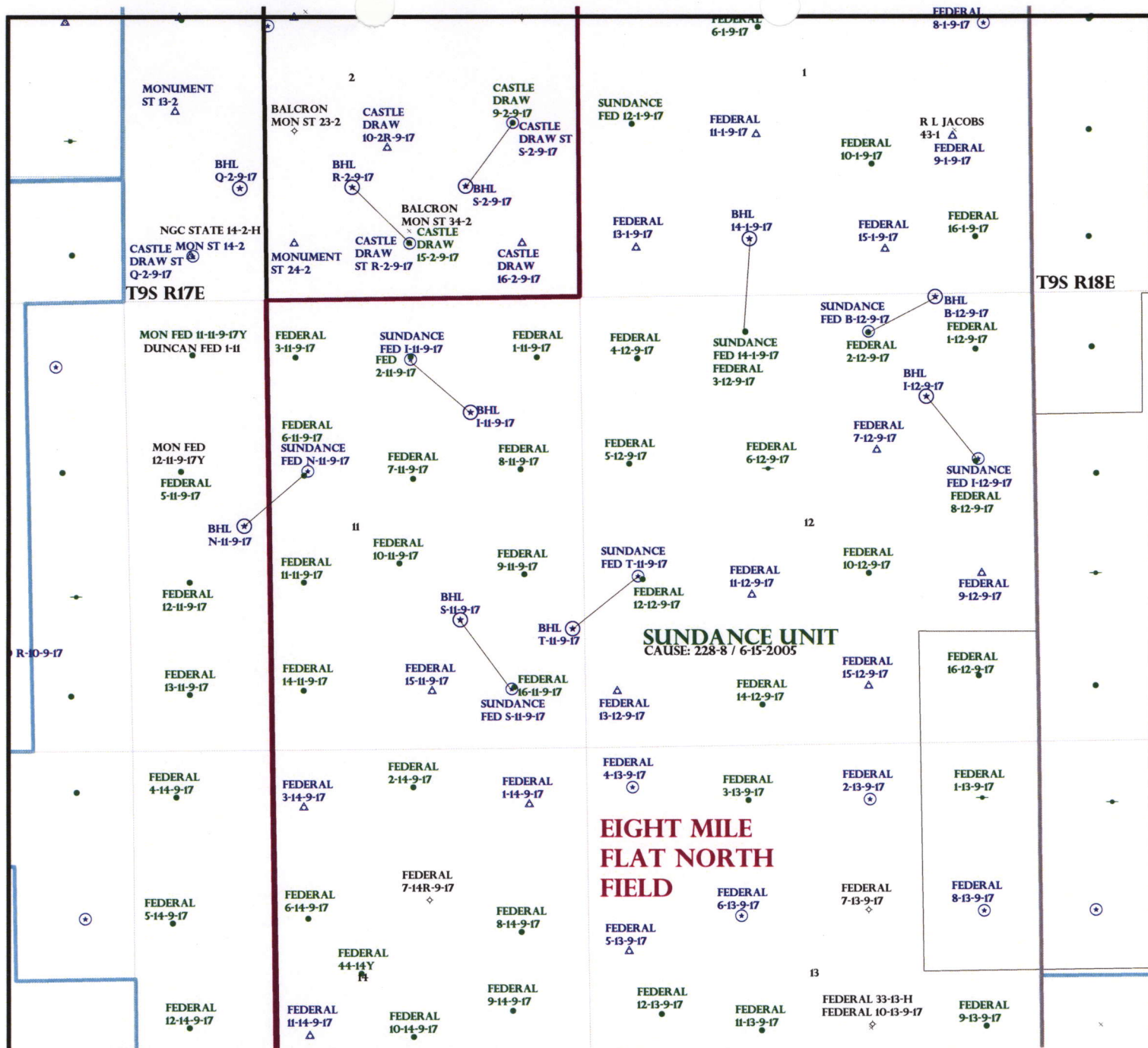
☒ R649-3-11. Directional Drill

COMMENTS:

See Separate File

STIPULATIONS:

1- Federal Approval



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 11,12 T.9S R. 17E

FIELD: EIGHT MILE FLAT NORTH (590)

COUNTY: UINTAH

CAUSE: 228-8 / 6-15-2005

**Field Status**

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

#### Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



OIL, GAS & MINING



PREPARED BY: DIANA MASON  
DATE: 01-MAY-2008

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

May 2, 2008

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2008 Plan of Development Sundance Unit,  
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Sundance Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-047-40027	Sundance Fed S-11-9-17	Sec 11 T09S R17E 0689 FSL 0845 FEL BHL Sec 11 T09S R17E 1505 FSL 1440 FEL
43-047-40028	Sundance Fed N-11-9-17	Sec 11 T09S R17E 2017 FNL 2073 FWL BHL Sec 11 T09S R17E 2635 FSL 1330 FWL
43-047-40029	Sundance Fed I-11-9-17	Sec 11 T09S R17E 0712 FNL 1989 FEL BHL Sec 11 T09S R17E 1340 FNL 1295 FEL
43-047-40030	Sundance Fed I-12-9-17	Sec 12 T09S R17E 1962 FNL 0677 FEL BHL Sec 12 T09S R17E 1220 FNL 1275 FEL
43-047-40031	Sundance Fed B-12-9-17	Sec 12 T09S R17E 0451 FNL 1939 FEL BHL Sec 12 T09S R17E 0050 FNL 1160 FEL

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard



May 1, 2008

State of Utah, Division of Oil, Gas and Mining  
ATTN: Diana Mason  
PO Box 145801  
Salt Lake City, UT 84114-5801

RE: Directional Drilling  
**Sundance Federal N-11-9-17**  
Sundance Unit  
UTU-82472X  
Surface Hole: T9S R17E, Section 11: SENW  
**2017** ~~2635~~' FNL 2073' FWL  
Uintah County, Utah  
Bottom Hole: T9S R17E, Section 11  
2635' FSL 1330' FWL  
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill dated April 22, 2008, a copy of which is attached, for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both within the boundaries of the Sundance Federal Unit UTU-82472X. Newfield certifies that it is the Sundance Unit Operator and all lands within 460 feet of the entire directional well bore are within the Sundance Unit.

NPC is permitting this well as a directional well in order to minimize surface disturbance. By directionally drilling from the referenced surface location, NPC will be able to utilize the existing roads and pipelines in this area.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at [reveland@newfield.com](mailto:reveland@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Roxann Eveland".

Roxann Eveland  
Land Associate

RECEIVED  
MAY 05 2008  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1094-0136  
Expires January 31, 2004

5. Lease Serial No.

UTU-075174

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA Agreement, Name and No.  
Sundance Unit

8. Lease Name and Well No.  
Sundance Federal N-11-9-17

9. API Well No.

10. Field and Pool, or Exploratory  
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 11, T9S R17E

12. County or Parish

Utah

13. State

UT

1a. Type of Work: ☒ DRILL

☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other

☒ Single Zone ☐ Multiple Zone

2. Name of Operator

Newfield Production Company

3a. Address

Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)

(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface SENW 2017' FNL 2073' FWL, Uintah County

At proposed prod. zone 2635' FSL 1330' FWL, Duchesne County

14. Distance in miles and direction from nearest town or post office\*

Approximatley 14.8 miles southeast of Myton, Utah

15. Distance from proposed\*

location to nearest

property or lease line, ft.

(Also to nearest drig. unit line, if any) Approx. 5' f/lse, 2650' f/unit

16. No. of Acres in lease

720.00

17. Spacing Unit dedicated to this well

20 Acres

18. Distance from proposed location\*

to nearest well, drilling, completed,

applied for, on this lease, ft. Approx. 1325'

19. Proposed Depth

5845'

20. BLM/BIA Bond No. on file

WYB000493

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5064' GL

22. Approximate date work will start\*

3rd Quarter 2008

23. Estimated duration

Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Name (Printed/Typed)

Date

Mandie Crozier

4/22/08

Title

Regulatory Specialist

Approved by (Signature)

Name (Printed/Typed)

Date

Title

Office

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

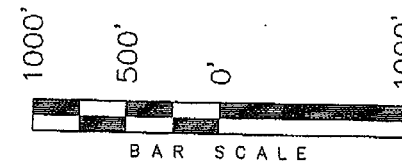
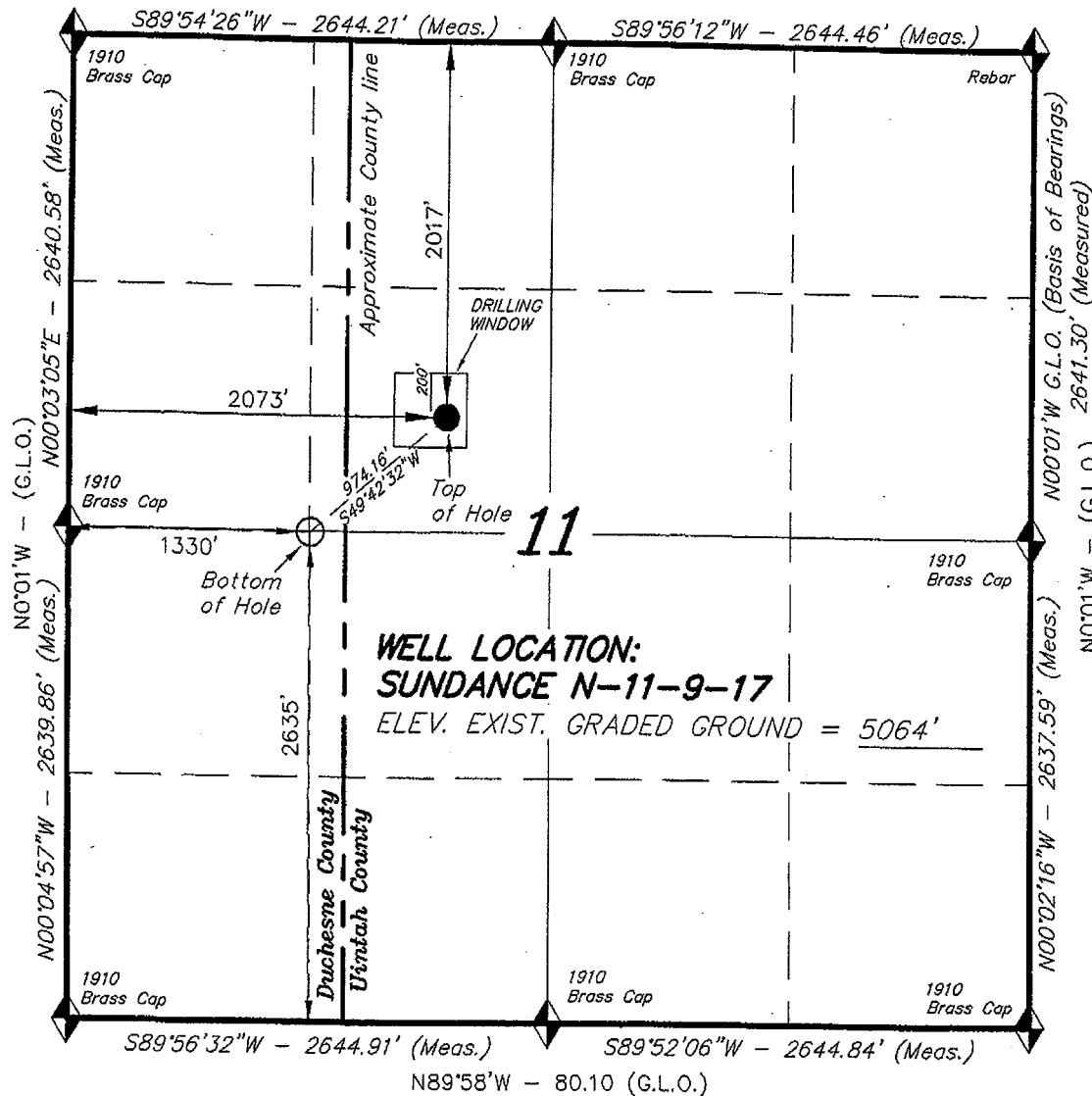
RECEIVED  
MAY 05 2008  
DIV. OF OIL, GAS & MINING

**T9S, R17E, S.L.B.&M.**

N89°59'W - 80.06 (G.L.O.)

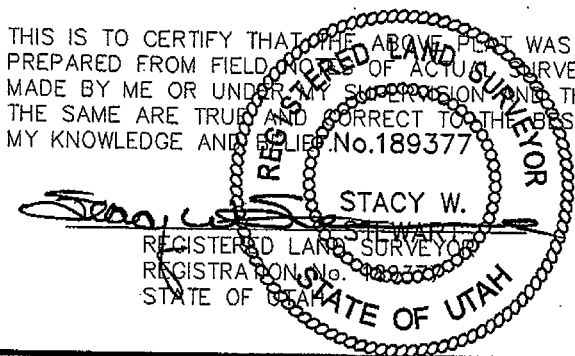
**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, SUNDANCE N-11-9-17,  
LOCATED AS SHOWN IN THE SE 1/4 NW  
1/4 OF SECTION 11, T9S, R17E,  
S.L.B.&M. UTAH COUNTY, UTAH.



**WELL LOCATION:**  
**SUNDANCE N-11-9-17**  
ELEV. EXIST. GRADED GROUND = 5064'

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. No. 189377



**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 02-01-08	SURVEYED BY: T.H.
DATE DRAWN: 02-27-08	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;  
U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

**SUNDANCE N-11-9-17**  
(Surface Location) NAD 83  
LATITUDE = 40° 02' 49.68"  
LONGITUDE = 109° 58' 33.23"



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 5, 2008

Newfield Production Company  
Rt. #3, Box 3630  
Myton, UT 84052

Re: Sundance Federal N-11-9-17 Well, Surface Location 2017' FNL, 2073' FWL, SE NW,  
Sec. 11, T. 9 South, R. 17 East, Bottom Location 2635' FSL, 1330' FWL, W/2,  
Sec. 11, T. 9 South, R. 17 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40028.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal Office



Operator: Newfield Production Company

Well Name & Number Sundance Federal N-11-9-17

API Number: 43-047-40028

Lease: UTU-075174

Surface Location: SE NW      Sec. 11      T. 9 South      R. 17 East

Bottom Location: W/2      Sec. 11      T. 9 South      R. 17 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281      (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

# RECEIVED

APR 29 2008

## BLM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

### APPLICATION FOR PERMIT TO DRILL OR REENTER

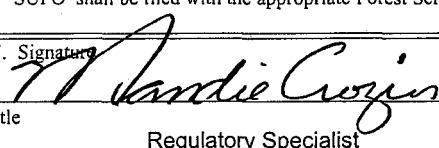
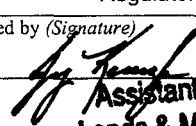
Form 3160-3  
(September 2001)

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-075174	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A	
2. Name of Operator Newfield Production Company		7. If Unit or CA Agreement, Name and No. Sundance Unit	
3a. Address Route #3 Box 3630, Myton UT 84052		8. Lease Name and Well No. Sundance Federal N-11-9-17	
3b. Phone No. (include area code) (435) 646-3721		9. API Well No. 43-047-40028	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NW 2017' FNL 2073' FWL, Utah County At proposed prod. zone 2635' FSL 1330' FWL, Duchesne County NWSW		10. Field and Pool, or Exploratory Monument Butte	
11. Sec., T., R., M., or Blk. and Survey or Area Sec. 11, T9S R17E		12. County or Parish Utah	
13. State UT		14. Distance in miles and direction from nearest town or post office* Approximatley 14.8 miles southeast of Myton, Utah	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 5' f/lse, 2650' f/unit		16. No. of Acres in lease 720.00	
17. Spacing Unit dedicated to this well 20 Acres		18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1325'	
19. Proposed Depth 5845'		20. BLM/BIA Bond No. on file WYB000493	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5064' GL		22. Approximate date work will start* 3rd Quarter 2008	
23. Estimated duration Approximately seven (7) days from spud to rig release.		24. Attachments	

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 4/22/08
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) JERRY KAWCZKA	Date AUG 14 2008
Title Assistant Field Manager Lands & Mineral Resources Office VERNAL FIELD OFFICE		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

## CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

### NOTICE OF APPROVAL

NOS 03-21-2008

AFMSS# 08PR0671A

## UDOGM

## RECEIVED

AUG 19 2008

DIV. OF OIL, GAS & MINING



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Newfield Production Company Location: SENW, Sec. 11, T9S, R17E(S)  
Well No: Sundance Federal N-11-9-17 Lease No: UTU-075174  
API No: 43-047-40028 Agreement: Sundance Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**SITE SPECIFIC COAs:**

**STIPULATIONS:**

1. None

**Lease Notices from RMP:**

2. The lessee/operator is given notice the area has been identified as containing Golden eagle habitat. Modifications may be required in the Surface Use Plan to protect the Golden eagle and/or its habitat from surface disturbance activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
3. The lessee/operator is given notice the area has been identified as containing Ferruginous hawk habitat. Modifications may be required in the Surface Use Plan to protect the Ferruginous hawk and/or its habitat from surface disturbance activities in accordance with section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

**Comments:**

1. This project will be a Categorical Exclusion to the Castle Peak and Eight Mile Flat Oil and Gas Expansion project EIS (August 2005).
2. No raptor nests are within ½ mile of the project area.
3. Mountain plover timing restrictions were not applied to the Project area as the area has already been disturbed and the location will be directionally drilled from an existing location.

**Follow-up Actions and/or Recommendations:**

**Please be aware that this Special Status Species wildlife clearance is effective for 1 year from the date of the onsite date. Any proposals submitted after the date of this report (onsite) shall require additional surveys and clearances.**

**CONDITIONS OF APPROVAL:**

- All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
- All pipelines (surface and buried) will be laid within one 50' wide construction ROW, on one side of the road, and will reduce down to a 30' wide permanent ROW on lease.
- A temporary road ROW will not be granted. The road ROW will be 30 foot for construction and will reduce to an 18 foot running surface.

- The access road will be crowned and ditched. Flat-bladed roads are not allowed. All roads will have an 18', crowned (2 to 3% minimum), running surface. All roads will have drainage ditches along both sides of road.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
- Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
- Pipelines will be buried at all major drainage crossings.
- Prevent fill and stock piles from entering drainages.
- To insure impermeability, the reserve pit will be lined with a 16 ml or greater liner and felt prior to spudding.
- The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.
- Any hydrocarbons in the reserve pit will be removed **immediately** upon well completion; in accordance with 43 CFR 3162.7-1. Pits must be free of oil and other liquid and solid wastes prior to filling.
- Monument Butte SOP, Section 9.2 - Pit Fencing Minimum Standards - will be strictly adhered to. To include 9.2.2.3 - Corner posts will be cemented and/or braced in such a manner as to keep fence tight at all times.
- If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
- **Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), an Interim/Final Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt.**

- **Interim Reclamation:**

The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil re-spread, and the area shall be **seeded using a rangeland drill**. Seeding depth as per AO, or seed distributor. If portions of the site are too steep (>40%), or rocky, that portion may be broadcast seeded. If broadcasting seed, the seed shall be walked into the soil with a dozer immediately after the seeding is completed, or covered by soil using a drag chain. Seeding shall occur in the fall (August 1<sup>st</sup> until snow or ground is frozen) with the following seed mix:

Seed mix:

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	<i>Elymus elymoides</i>	3.0	1/4 - 1/2"
Siberian wheatgrass	<i>Agropyron fragile</i>	1.0	1/2"
Shadscale saltbush	<i>Atriplex confertifolia</i>	0.50	1/2"
Four-wing saltbush	<i>Atriplex canescens</i>	0.50	1/2"
Gardner's saltbush	<i>Atriplex gardneri</i>	0.50	1/2"
Scarlet globemallow	<i>Sphaeralcea coccinea</i>	0.10	1/8 - 1/4"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Reseeding may be required if initial seeding is not successful.

- **Final reclamation:**

Once the location is plugged and abandoned, the well location, access, and any disturbed areas shall be re-contoured to natural topography, topsoil shall be re-spread, and the entire location shall be seeded following guidelines in the seed mix bullet statement above. Final seed mix: same as interim.

- Noxious and/or invasive weeds will be controlled along access roads, pipelines, well sites, and all other applicable facilities. Any noxious and/or invasive weeds outbreak, directly attributed to the activities of the Operator, will be the responsibility of the Operator to control. On BLM administered land, a Pesticide Use Proposal (PUP) must be submitted and approved prior to the application of herbicides, pesticides, or other possibly hazardous chemicals.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil re-spread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be re-contoured to natural topology, topsoil shall be re-spread, and the entire location shall be seeded with a seed mix recommended by the AO (see above). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
- The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.

- The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
- All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
- All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.

***DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)***

**SITE SPECIFIC DOWNHOLE COAs:**

- **Newfield Production Co. shall adhere to all referenced requirements in the SOP along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders. A complete angular deviation and directional survey report shall be submitted to the Vernal BLM field office within 30 days following the completion of the well.**

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

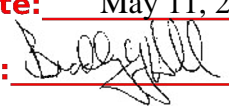
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (1/4<sup>1</sup>/<sub>4</sub>, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-075174			
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> SUNDANCE (GRRV)			
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> SUNDANCE FED N-11-9-17			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2017 FNL 2073 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 11 Township: 09.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43047400280000			
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> 8 MILE FLAT NORTH			
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 5/4/2009  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION           </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER           </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> APD EXTENSION            OTHER:         </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Newfield requests permission to extend the Permit to Drill this well for one year.					
<b>Approved by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> May 11, 2009 <b>By:</b> 					
<b>NAME (PLEASE PRINT)</b> Mandie Crozier		<b>PHONE NUMBER</b> 435 646-4825			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Tech  <b>DATE</b> 5/4/2009			



## The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

### Request for Permit Extension Validation Well Number 43047400280000

**API:** 43047400280000

**Well Name:** SUNDANCE FED N-11-9-17

**Location:** 2017 FNL 2073 FWL QTR SENW SEC 11 TWNP 090S RNG 170E MER S

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 5/5/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
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- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Mandie Crozier

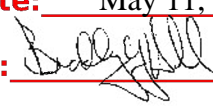
**Date:** 5/5/2009

**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

**Date:** May 11, 2009

**By:**

**RECEIVED** May 04, 2009

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-075174
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<b>By:</b> 		
<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/4/2009	

**RECEIVED** May 04, 2009



## The Utah Division of Oil, Gas, and Mining

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

### Request for Permit Extension Validation Well Number 43047400280000

**API:** 43047400280000

**Well Name:** SUNDANCE FED N-11-9-17

**Location:** 2017 FNL 2073 FWL QTR SENW SEC 11 TWNP 090S RNG 170E MER S

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 5/5/2008

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- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Mandie Crozier

**Date:** 5/5/2009

**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

**Date:** May 11, 2009

**By:**

**RECEIVED** May 04, 2009

*Spud.*  
BLM - Vernal Field Office - Notification Form

Operator Newfield Exploration Rig Name/# Ross Rig #21  
Submitted By Mitch Benson Phone Number 823-5885  
Well Name/Number Sundance Federal N-11-9-17  
Qtr/Qtr SE/NW Section 11 Township 9s Range 17e  
Lease Serial Number UTU-075174  
API Number 43-047-40028

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 3/5/10      9:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 3/5/10      4:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time \_\_\_\_\_ AM ☐ PM ☐

Remarks \_\_\_\_\_

---

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY  
ADDRESS: RT. 3 BOX 3630  
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	17535	4301350151	UTE TRIBAL 9-23-4-3	NESE	23	4S	3W	DUCHESNE	2/26/2010	3/10/10
WELL 1 COMMENTS: GRRV											
B	99999	17400	4301333918	BLACKJACK FEDERAL P-10-9-17	SESE	9	9S	17E	DUCHESNE	2/24/2010	3/10/10
GRRV BHL = Sec 10 SWSW											
B	99999	17400	4301334097	S WELLS DRAW W-4-9-16	SWSE	4	9S	16E	DUCHESNE	3/4/2010	3/10/10
GRRV BHL = SWSE											
A	99999	17536	4301350223	UTE TRIBAL 11-19T-4-2	NESW	19	4S	2W	DUCHESNE	2/26/2010	3/10/10
GRRV											
B	99999	17400	4304740228	SUNDANCE FEDERAL N-11-9-17	SESE	11	9S	17E	UINTAH	3/5/2010	3/10/10
WELL 5 COMMENTS: GRRV BHL = W/2											
B	99999	17400	4301334173	FEDERAL 11-29-8-16	NESW	29	8S	16E	DUCHESNE	2/27/2010	3/10/10
WELL 5 COMMENTS: GRRV											

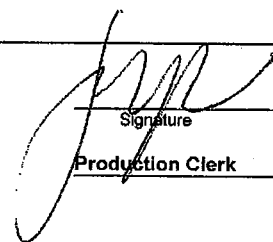
ACTION CODES (See instructions on back of form)

- A - new entity for new well (single well only)
- B - well to existing entity (group or unit well)
- C - from one existing entity to another existing entity
- D - well from one existing entity to a new entity
- E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED  
MAR 09 2010

DIV. OF OIL, GAS & MINING

  
Signature  
Production Clerk

Jentri Park

03/09/10  
Date

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

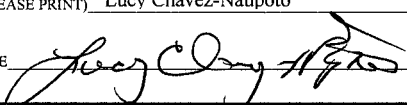
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-075174
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 689' FSL 845' FEL		8. WELL NAME and NUMBER: SUNDANCE FEDERAL N-11-9-17
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SESE, 11, T9S, R17E		9. API NUMBER: 4304740028
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: UINTAH
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Weekly Status Report
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  04/08/2010			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 04-08-10, attached is a daily completion status report.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	TITLE Administrative Assistant
SIGNATURE 	DATE 04/08/2010

(This space for State use only)

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APR 14 2010

DIV. OF OIL, GAS & MINING

**Daily Activity Report**

Format For Sundry

**SUNDANCE N-11-9-17****2/1/2010 To 6/30/2010****3/26/2010 Day: 1****Completion**

Rigless on 3/26/2010 - RUN CBL. Perforate CP5 sds - RU The Perforators LLC wireline company. Run CBL from 5796' to surface w/ cement top @ 94'. RIH w/ wireline. Perforate CP5 sds @ 5706'-11'. POOH w/ wireline. RD wireline equipment.

**Daily Cost:** \$0**Cumulative Cost:** \$5,669**3/31/2010 Day: 2****Completion**

Rigless on 3/31/2010 - Frac, perforate & flowback 5 stages. - Frac & perforate 5 stages as detailed. Could not get in hole w/ plug after stage 1. Flow back well & ND BOPs. Found nipple to be sticking into wellbore through wellhead. Change out wellhead & frac remaining stages. Open for immediate flowback @ approx 3 BPM. Well flowed for 5 hours & turned to oil. Recovered 720 bbls. 1356 BWTR.

**Daily Cost:** \$0**Cumulative Cost:** \$98,695**4/1/2010 Day: 3****Completion**

NC #1 on 4/1/2010 - MIRU NC#1, W/L Set Kill Plg @ 4660', N/D 10,000 BOP & Frac HD, N/U 3,000 Flng & 5,000 BOP, R/U Flr, RIH W/Bit & Bit Sub 148 Jts Tbg, EOT @ 4652', SWI, C/SDFN. - 5:30AM-6:00AM C/Trvl, 6:00AM MIRU NC#1, R/U PSI Wireline, RIH & Set Kill Plg @ 4660', R/D Wireline. N/D Camron BOP & Frac Flng, N/U 3,000 Flng & Shafer BOP, R/U R/Flr, P/U & RIH W/-4 3/4" Bit, Bit Sub, 148 Jts Tbg, EOT @ 4652 SWI, 5:30PM C/SDFN, 6:00PM-6:00PM C/Trvl.

**Daily Cost:** \$0**Cumulative Cost:** \$106,458**4/5/2010 Day: 4****Completion**

NC #1 on 4/5/2010 - Drill Plgs Up @ 4660', 4820', 4960', 5130', 5630', Cln Out To PBTD @ 5839', Curc Well Cln 1 Hr, POOH W/-3 Jts Tbg, EOB @ 5751', Swab For Cln Up, Recvrd 84 BW, Sand Line Is Stuck Aprox 3400', SWI, C/SDFN. - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U Nabors Pwr Swvl, R/U R/pmp, RIH To Plg @ 4660', Drill Up Plg, 45 Min Drill Time, Swvl I/Hle To Fill @ 4789', C/O To Plg @ 4820', Drill Up Plg, 1 Hr Drill Time, Swvl I/Hle To Plg @ 4960', Drill Up Plg, 40 Min Drill Time, Swvl I/Hle To Plg @ 5130', Drill Up Plg, 1 Hr Drill Time, Swvl I/Hle To Fill @ 5521', C/O To Plg @ 5630', Drill Up Plg, 50 Min Drill Time, Swvl I/Hle To Fill @ 5720', C/Out To PBTD @ 5839', Curc Well Cln 1 Hr, POOH W/-3 Jts Tbg, EOB @ 5751', R/U Swab, RIH IFL @ Surf, Made 9 Swab Runs, Recvrd 84 BW, ( Note) Got Sand Line Stuck @ Aprox 3400', pump Oil Saver Up, SWI, 7:30PM C/SDFN, 7:30PM-8:00PM C/Trvl. 1385 BWTR.

**Daily Cost:** \$0**Cumulative Cost:** \$141,889**4/6/2010 Day: 5****Completion**

NC #1 on 4/6/2010 - Fill Csg W/-18 BW, Pull S/Line Free, Swab For Cln Up, Recvred 78 BW, Lite Trce Oil, Lite Trce Sand, Curc Well Cln @ PBTD, POOH W/-Tbg & Bit, RIH W/-Prod Tbg, N/D BOP, Set T/A, N/U W/HD - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, R/U R/pmp, Fill Csg W/-18 BW, Pull Sandline Free. POOH W/-Sandline, Cups Were Full Of Sand. Chnge Cups, Swab For Cln Up. Made 7 Swab Runs, Recvred 78 BW, Lite Trce Oil, Lite Trce Sand, FFL @ 1000'. RIH W/-3 Jts Tbg To Fill @ 5829', R/U R/pmp & C/Out To PBTD @ 5839', Curc Well Cln. POOH W/-186 Jts Tbg, Bit Sub & Bit. D&M H/Oiler pmp 30 BW D/Csg Due To Oil. P/U & RIH W/ N/C, 1 Jt Tbg, S/N, 1 Jt Tbg, 5 1/2" T/A, 180 Jts Tbg, R/D Flr, N/D BOP, Set T/A In 18,000 Tension, N/U W/-HD. Flush Tbg W/-35 BW. P/U & RIH W/-Central Hyd 2 1/2X1 1/2X20X24' RHAC, 4-1 1/2 Wt Bars, 30-7/8 Guided Rods, SWI, 6:30PM C/SDFN, 6:30PM-7:00PM C/Trvl. 1487 BWTR.

**Daily Cost:** \$0

**Cumulative Cost:** \$151,562

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**4/8/2010 Day: 6**

**Completion**

NC #1 on 4/8/2010 - RIH W/-Remainder Of Rod Production String, Seat pmp, R/U Unit, Fill & Test Tbg W/-2 BW, Good pmp Action, PWOP. ( Final Report ) - 5:30AM-6:00AM C/Trvl, 6:00AM OWU, RIH W/-233 7/7 Guided Rods, 7/8X4' Pony, 1 1/2X30' Polish Rod, Seat pmp, R/U Unit, R/U R/pmp, Fill Tbg W/-2 BW, Stroke Unit & Tbg To 800 Psi, Good Test. Rack Out Eq, R/D Rig. POP @ 3:30PM, 139" SL, 5 SPM, 1489 BWTR, (Final Report)

**Daily Cost:** \$0

**Cumulative Cost:** \$187,023

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**Pertinent Files: Go to File List**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

689' FSL 845' FEL

SESE Section 11 T9S R17E

5. Lease Serial No.

USA UTU-075174

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

GMBU

8. Well Name and No.

SUNDANCE FEDERAL N-11-9-17

9. API Well No.

4304740028

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

UINTAH, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice
	<input type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 3/5/10 MIRU Ross # 21. Spud well @ 9:00am. Drill 320' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 321.23' On 3/7/10 cement with 160 sks of class "G" w/ 3% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/ sk yeild. Returned 7 bbls cement to pit. WOC.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Don Bastian

Signature

Title

Drilling Foreman

Date

04/01/2010

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

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DIV OF OIL & GAS

## NEWFIELD PRODUCTION COMPANY - CASING &amp; CEMENT REPORT

**8 5/8"** CASING SET AT

321

LAST CASING 14" SET AT 5

DATUM 12

DATUM TO CUT OFF CASING 12

DATUM TO BRADENHEAD FLANGE	12
----------------------------	----

TD DRILLER 320 LOGGER           

HOLE SIZE 12 1/4"

OPERATOR Newfield Exploration Company

WELL SUNDANCE N-11-9-17FIELD/PROSPECT Monu nent Butte

CONTRACTOR & RIG # **Ross Rig #21**

## LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
1		Well Head				A	0.95
7	8 5/8"	ST&C Casing ( Shoe Jt 44.71')	24#	J-55	ST&C	A	309.38
1		Guide Shoe				A	0.9
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			311.23
TOTAL LENGTH OF STRING		311.23	7	LESS CUT OFF PIECE			2
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			<b>321.23</b>
TOTAL		309.38	7	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		309.38	7				
TIMING							
BEGIN RUN CSG.	Spud	9:00 AM	3/5/2010	GOOD CIRC THRU JOB	Yes		
CSG. IN HOLE		4:00 PM	3/5/2010	Bbls CMT CIRC TO SURFACE	7		
BEGIN CIRC		9:12 AM	3/7/2010	RECIPROCATED PIP	No		
BEGIN PUMP CMT		9:20 AM	3/7/2010				
BEGIN DSPL. CMT		9:33 AM	3/7/2010	BUMPED PLUG TO	520		
PLUG DOWN		9:38 AM	3/7/2010				

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Middle 1st, Top 2nd & 3rd. For Total Of 3	

## Don Bastian

DATE 3/7/2010

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
UTU-0751741a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
Other: \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
GMBU2. Name of Operator  
NEWFIELD EXPLORATION COMPANY8. Lease Name and Well No.  
SUNDANCE FEDERAL N-11-9-173. Address  
1401 17TH ST, SUITE 1000 DENVER, CO 802023a. Phone No. (include area code)  
(435)646-37219. AFI Well No.  
43-047-40028

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface 2017' FNL &amp; 2073' FWL (SE/NW) SEC. 11, T9S, R17E (UTU-075174)

At top prod. interval reported below 2577' FNL &amp; 1425' FWL (SE/NW) SEC. 11, T9S, R17E (UTU-075174)

At total depth 2554' FSL & 1236' FWL  
2553' FSL & 1236' FWL SEC. 11, T9S, R17E (UTU-075174)10. Field and Pool or Exploratory  
MONUMENT BUTTE11. Sec., T., R., M., on Block and  
Survey or Area  
SEC. 11, T9S, R17E

12. County or Parish

UINTAH

13. State

UT

14. Date Spudded  
03/05/201015. Date T.D. Reached  
03/13/201016. Date Completed 04/07/2010  
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)\*  
5064' GL 5076' KB18. Total Depth: MD 5891'  
TVD 577219. Plug Back T.D.: MD 5839'  
TVD 5220'20. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
☒ DUAL IND GRD, SP, COMP. DENSITY, COMP. NEUTRON, GR, CALIPER, CMT BOND22. Was well cored? ☒ No ☐ Yes (Submit analysis)  
Was DST run? ☒ No ☐ Yes (Submit report)  
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24#	0	321'		160 CLASS G			
7-7/8"	5-1/2" J-55	15.5#	0	5878'		300 PRIMLITE		94'	
						400 50/50 POZ			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	EOT@ 5730'	TA @ 5663'						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Green River			5706-5711' CP5	.36"	3	15
B) Green River			5446-5590' CP1 CP2 CP3	.34"	3	36
C) Green River			5057-5062' A1	.34"	3	15
D) Green River			4888-4898' B2	.34"	3	30

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
5706-5711'	Frac w/ 14569#s 20/40 sand in 127 bbls of Lightning 17 fluid. (CP5)
5446-5590'	Frac w/ 35112#s 20/40 sand in 235 bbls of Lightning 17 fluid. (CP1 CP2 CP3)
5057-5062'	Frac w/ 24286#s 20/40 sand in 213 bbls of Lightning 17 fluid. (A1)
4888-4898'	Frac w/ 34292#s 20/40 sand in 180 bbls of Lightning 17 fluid. (B2)

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
4-6-10	4-18-10	24	→	24	0	1.51			2-1/2" x 1-3/4" x 20' x 24' RHAC Pump
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	PRODUCING
			→						

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

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APR 29 2010

DIV. OF OIL, GAS &amp; MINING

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

## 29. Disposition of Gas (Solid, used for fuel, vented, etc.)

USED FOR FUEL

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

## GEOLOGICAL MARKERS

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GARDEN GULCH MRK GARDEN GULCH 1	3586' 3772'
				GARDEN GULCH 2 POINT 3	3886' 4146'
				X MRKR Y MRKR	4390' 4426'
				DOUGALS CREEK MRK BI CARBONATE MRK	4553' 4798'
				B LIMESTON MRK CASTLE PEAK	4931' 5377'
				BASAL CARBONATE	5802'

## 32. Additional remarks (include plugging procedure):

Stage 5: Green River Formation (D3 C) 4720-4764', .34" 3/27 Frac w/ 74416#s of 20/40 sand in 461 bbls of Lightning 17 fluid

## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)     
 ☐ Geologic Report     
 ☐ DST Report     
 ☒ Directional Survey  
☐ Sundry Notice for plugging and cement verification     
 ☐ Core Analysis     
 ☒ Other: Drilling Daily Activity

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Lucy Chavez-NaupotoTitle Administrative AssistantSignature Date 04/27/2010

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

(Form 3160-4, page 2)

**NEWFIELD**



## **NEWFIELD EXPLORATION**

**USGS Myton SW (UT)**

**SECTION 11**

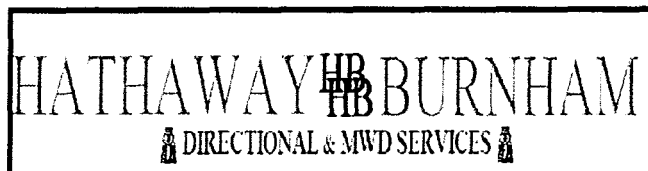
**N-11-9-17**

**Wellbore #1**

**Design: Actual**

## **Standard Survey Report**

**17 March, 2010**





## HATHAWAY BURNHAM

## Survey Report



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 11  
**Well:** N-11-9-17  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well N-11-9-17  
**TVD Reference:** WELL @ 5076.0ft (NEWFIELD RIG)  
**MD Reference:** WELL @ 5076.0ft (NEWFIELD RIG)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

<b>Project</b>	USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone	Using geodetic scale factor	

Site	SECTION 11				
Site Position:		Northing:	7,188,670.03 ft	Latitude:	40° 2' 46.225 N
From:	Lat/Long	Easting:	2,036,157.78 ft	Longitude:	110° 5' 10.739 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.91 °

Well	N-11-9-17, SHL: LAT 40 02 49.68 LONG -109 58 33.23					
Well Position	+N/-S	0.0 ft	Northing:	7,189,527.14 ft	Latitude:	40° 2' 49.680 N
	+E/-W	0.0 ft	Easting:	2,067,059.26 ft	Longitude:	109° 58' 33.230 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	5,076.0 ft	Ground Level:	5,064.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	2009/12/31	11.45	65.86	52,463

<b>Design</b>	Actual				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	229.71	

<b>Survey Program</b>	<b>Date</b> 2010/03/17				
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
426.0	5,891.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
426.0	0.50	304.40	426.0	1.1	-1.5	0.5	0.12	0.12	0.00
456.0	0.50	304.40	456.0	1.2	-1.7	0.6	0.00	0.00	0.00
486.0	0.80	262.00	486.0	1.2	-2.1	0.8	1.82	1.00	-141.33
517.0	1.30	258.40	517.0	1.1	-2.6	1.3	1.63	1.61	-11.61
548.0	1.80	252.00	548.0	0.9	-3.4	2.0	1.70	1.61	-20.65
578.0	2.20	244.80	578.0	0.5	-4.4	3.0	1.57	1.33	-24.00
609.0	2.60	238.80	608.9	-0.1	-5.5	4.3	1.52	1.29	-19.35
639.0	2.90	231.80	638.9	-0.9	-6.7	5.7	1.50	1.00	-23.33
670.0	3.30	232.30	669.8	-1.9	-8.0	7.4	1.29	1.29	1.61
700.0	3.80	230.40	699.8	-3.1	-9.5	9.2	1.71	1.67	-6.33
730.0	3.90	223.20	729.7	-4.5	-11.0	11.3	1.64	0.33	-24.00
761.0	4.20	215.60	760.6	-6.2	-12.3	13.4	1.98	0.97	-24.52



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 11  
**Well:** N-11-9-17  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well N-11-9-17  
**TVD Reference:** WELL @ 5076.0ft (NEWFIELD RIG)  
**MD Reference:** WELL @ 5076.0ft (NEWFIELD RIG)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
792.0	4.80	215.70	791.6	-8.1	-13.8	15.8	1.94	1.94	0.32
823.0	5.20	220.70	822.4	-10.3	-15.4	18.4	1.91	1.29	16.13
853.0	5.60	221.00	852.3	-12.4	-17.3	21.2	1.34	1.33	1.00
883.0	6.00	221.00	882.1	-14.7	-19.3	24.2	1.33	1.33	0.00
915.0	6.20	224.20	914.0	-17.2	-21.6	27.6	1.23	0.63	10.00
946.0	6.70	224.30	944.8	-19.7	-24.0	31.0	1.61	1.61	0.32
978.0	7.20	227.10	976.5	-22.4	-26.8	34.9	1.89	1.56	8.75
1,010.0	7.60	228.80	1,008.3	-25.1	-29.8	39.0	1.42	1.25	5.31
1,041.0	7.90	228.10	1,039.0	-27.9	-33.0	43.2	1.01	0.97	-2.26
1,073.0	8.40	228.80	1,070.7	-30.9	-36.4	47.7	1.59	1.56	2.19
1,105.0	8.60	228.30	1,102.3	-34.1	-39.9	52.5	0.67	0.63	-1.56
1,137.0	9.20	229.40	1,133.9	-37.3	-43.6	57.4	1.95	1.88	3.44
1,168.0	9.60	231.00	1,164.5	-40.6	-47.5	62.5	1.54	1.29	5.16
1,200.0	10.00	231.00	1,196.0	-44.0	-51.8	67.9	1.25	1.25	0.00
1,232.0	10.30	230.80	1,227.5	-47.5	-56.1	73.6	0.94	0.94	-0.63
1,264.0	10.60	228.70	1,259.0	-51.3	-60.6	79.4	1.52	0.94	-6.56
1,295.0	10.90	230.50	1,289.5	-55.0	-65.0	85.1	1.45	0.97	5.81
1,327.0	11.20	230.10	1,320.9	-59.0	-69.7	91.3	0.97	0.94	-1.25
1,359.0	11.50	230.00	1,352.2	-63.0	-74.5	97.6	0.94	0.94	-0.31
1,390.0	11.60	229.60	1,382.6	-67.0	-79.2	103.8	0.41	0.32	-1.29
1,422.0	11.90	228.80	1,413.9	-71.3	-84.2	110.3	1.07	0.94	-2.50
1,454.0	12.00	228.30	1,445.3	-75.6	-89.1	116.9	0.45	0.31	-1.56
1,483.0	12.20	226.60	1,473.6	-79.8	-93.6	123.0	1.41	0.69	-5.86
1,514.0	12.60	226.20	1,503.9	-84.3	-98.4	129.6	1.32	1.29	-1.29
1,545.0	12.80	226.10	1,534.1	-89.1	-103.4	136.4	0.65	0.65	-0.32
1,644.0	12.33	233.28	1,630.8	-103.0	-119.7	157.9	1.65	-0.47	7.25
1,739.0	13.48	231.77	1,723.4	-115.9	-136.6	179.1	1.26	1.21	-1.59
1,834.0	13.69	233.98	1,815.7	-129.4	-154.4	201.4	0.59	0.22	2.33
1,929.0	14.35	234.86	1,907.9	-142.8	-173.1	224.3	0.73	0.69	0.93
2,024.0	13.93	231.86	2,000.0	-156.6	-191.7	247.5	0.89	-0.44	-3.16
2,119.0	13.38	229.59	2,092.3	-170.8	-209.1	269.9	0.81	-0.58	-2.39
2,214.0	12.88	230.16	2,184.8	-184.7	-225.6	291.5	0.54	-0.53	0.60
2,309.0	13.54	228.60	2,277.3	-198.8	-242.0	313.2	0.79	0.69	-1.64
2,405.0	13.58	226.34	2,370.6	-214.0	-258.6	335.7	0.55	0.04	-2.35
2,500.0	12.79	225.44	2,463.1	-229.1	-274.2	357.3	0.86	-0.83	-0.95
2,595.0	12.41	227.83	2,555.8	-243.4	-289.2	378.0	0.68	-0.40	2.52
2,690.0	12.96	231.48	2,648.5	-256.8	-305.1	398.8	1.02	0.58	3.84
2,785.0	13.21	231.79	2,741.1	-270.2	-322.0	420.3	0.27	0.26	0.33
2,880.0	13.70	229.20	2,833.5	-284.3	-339.0	442.4	0.82	0.52	-2.73
2,975.0	12.00	225.70	2,926.1	-298.5	-354.6	463.5	1.97	-1.79	-3.68
3,071.0	13.80	225.28	3,019.6	-313.5	-369.9	484.9	1.88	1.88	-0.44
3,166.0	13.30	225.10	3,112.0	-329.2	-385.7	507.1	0.53	-0.53	-0.19
3,261.0	13.70	223.20	3,204.4	-345.1	-401.1	529.2	0.63	0.42	-2.00
3,356.0	14.00	226.70	3,296.6	-361.2	-417.2	551.8	0.94	0.32	3.68
3,451.0	14.60	226.30	3,388.7	-377.4	-434.2	575.2	0.64	0.63	-0.42
3,546.0	13.90	223.20	3,480.8	-394.0	-450.7	598.5	1.09	-0.74	-3.26
3,641.0	13.50	223.20	3,573.0	-410.4	-466.1	620.9	0.42	-0.42	0.00
3,737.0	13.20	227.30	3,666.5	-426.0	-481.8	643.0	1.03	-0.31	4.27
3,832.0	13.80	230.60	3,758.8	-440.5	-498.5	665.1	1.03	0.63	3.47
3,927.0	14.30	227.90	3,851.0	-455.6	-516.0	688.2	0.87	0.53	-2.84
4,022.0	13.50	228.50	3,943.2	-470.8	-533.0	711.0	0.86	-0.84	0.63
4,116.0	13.00	230.10	4,034.7	-484.8	-549.3	732.6	0.66	-0.53	1.70
4,211.0	13.10	232.34	4,127.3	-498.3	-566.1	754.0	0.54	0.11	2.36
4,307.0	12.11	230.62	4,220.9	-511.3	-582.5	774.9	1.10	-1.03	-1.79



**Company:** NEWFIELD EXPLORATION  
**Project:** USGS Myton SW (UT)  
**Site:** SECTION 11  
**Well:** N-11-9-17  
**Wellbore:** Wellbore #1  
**Design:** Actual

**Local Co-ordinate Reference:** Well N-11-9-17  
**TVD Reference:** WELL @ 5076.0ft (NEWFIELD RIG)  
**MD Reference:** WELL @ 5076.0ft (NEWFIELD RIG)  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Database:** EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,402.0	12.35	233.04	4,313.8	-523.7	-598.3	795.0	0.60	0.25	2.55
4,497.0	12.57	233.39	4,406.5	-536.0	-614.7	815.5	0.24	0.23	0.37
4,592.0	12.37	233.04	4,499.3	-548.3	-631.1	836.0	0.23	-0.21	-0.37
4,687.0	12.68	234.91	4,592.0	-560.4	-647.8	856.5	0.54	0.33	1.97
4,782.0	13.07	236.25	4,684.7	-572.4	-665.3	877.6	0.52	0.41	1.41
4,878.0	11.40	233.60	4,778.5	-584.0	-681.9	897.8	1.83	-1.74	-2.76
4,972.0	11.10	232.60	4,870.7	-595.0	-696.6	916.1	0.38	-0.32	-1.06
5,067.0	11.40	230.30	4,963.8	-606.6	-711.1	934.6	0.57	0.32	-2.42
5,163.0	11.30	227.10	5,058.0	-619.1	-725.3	953.5	0.66	-0.10	-3.33
5,258.0	12.10	225.80	5,151.0	-632.3	-739.2	972.8	0.89	0.84	-1.37
5,306.2	11.83	228.39	5,198.2	-639.1	-746.5	982.7	1.24	-0.55	5.36
<b>N-11-9-17 TGT</b>									
5,353.0	11.60	231.00	5,244.0	-645.3	-753.8	992.2	1.24	-0.50	5.59
5,448.0	11.60	231.30	5,337.0	-657.3	-768.7	1,011.3	0.06	0.00	0.32
5,543.0	11.50	231.80	5,430.1	-669.1	-783.6	1,030.4	0.15	-0.11	0.53
5,638.0	11.40	232.50	5,523.2	-680.7	-798.4	1,049.2	0.18	-0.11	0.74
5,733.0	11.80	234.90	5,616.3	-692.0	-813.8	1,068.2	0.66	0.42	2.53
5,844.0	10.00	231.60	5,725.3	-704.5	-830.7	1,089.2	1.72	-1.62	-2.97
5,891.0	9.50	230.80	5,771.6	-709.5	-836.9	1,097.1	1.10	-1.06	-1.70

## Wellbore Targets

## Target Name

- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
N-11-9-17 TGT	0.00	0.00	5,200.0	-629.9	-743.1	7,188,884.68	2,066,327.10	40° 2' 43.454 N	109° 58' 42.785 W
- actual wellpath misses by 10.0ft at 5306.3ft MD (5198.2 TVD, -639.1 N, -746.5 E)									
- Circle (radius 75.0)									

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



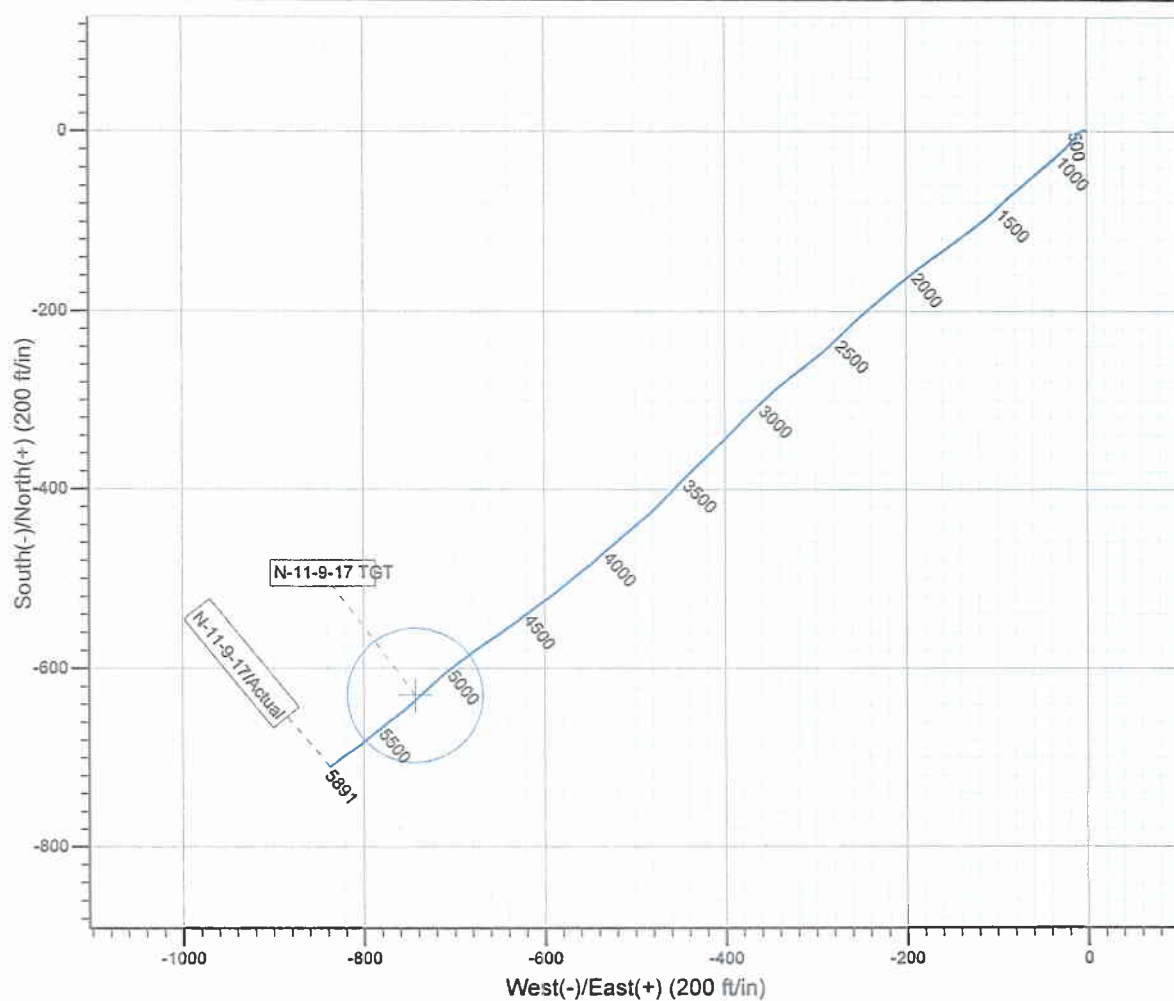
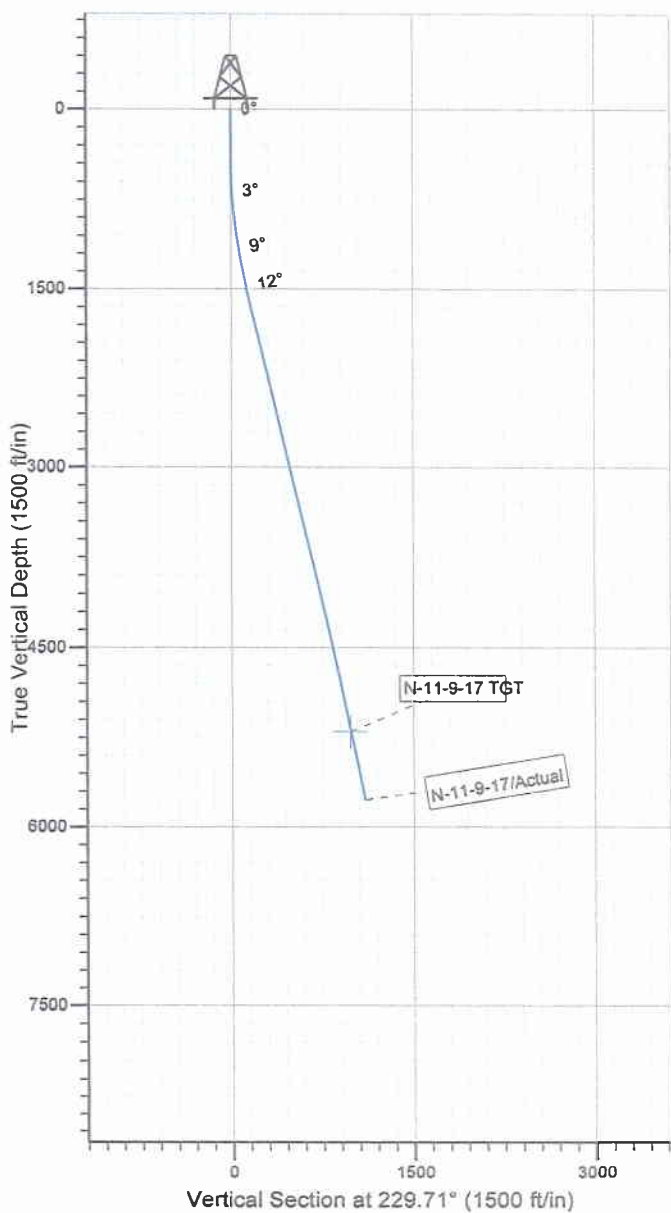
Project: USGS Myton SW (UT)  
 Site: SECTION 11  
 Well: N-11-9-17  
 Wellbore: Wellbore #1  
 SURVEY: Actual

FINAL SURVEY REPORT



Azimuths to True North  
 Magnetic North: 11.45°

Magnetic Field  
 Strength: 52462.8snT  
 Dip Angle: 65.86°  
 Date: 2009/12/31  
 Model: IGRF200510



Design: Actual (N-11-9-17/Wellbore #1)

Created By: *Jim Hudson* Date: 9:52, March 17 2010  
 THIS SURVEY IS CORRECT TO THE BEST OF MY  
 KNOWLEDGE AND IS SUPPORTED BY ACTUAL FIELD DATA.



## Daily Activity Report

Format For Sundry

**SUNDANCE N-11-9-17**

**1/1/2010 To 5/30/2010**

### **SUNDANCE N-11-9-17**

**Waiting on Cement**

**Date:** 3/6/2010

Ross #21 at 320. Days Since Spud - Ross Rig #21 Spud The Sundance N-11-9-17 On 3/5/10 @ 9:00 AM. Drilled 320' of 12 1/4" Hole. - P/U Run 7jts 8 5/8" Casing (Guide Shoe, Shoe Jt, Baffle Plate, 6jts Casing) Set @ 321.23' KB - Cemented On 3/7/10 With BJ Services, Pumped 160sk @ 15.8 ppg With 1.17 yield Returned 7 bbls To Pit - Spud Notices Was Sent To BLM & State Notified Of Spud And Casing Run - Class G +2% Cacl +.25% Cello Flake

**Daily Cost:** \$0

**Cumulative Cost:** \$46,705

### **SUNDANCE N-11-9-17**

**Rigging Up**

**Date:** 3/10/2010

NDSI #2 at 320. 0 Days Since Spud - Notified BLM & State By E-Mail On 3/9/10 For Rig Move 3/10/10 And BOPE Test @ 1:00 PM 3/10/10 - Rig Down To Move To Sundance Federal N-11-9-17

**Daily Cost:** \$0

**Cumulative Cost:** \$53,667

### **SUNDANCE N-11-9-17**

**Drill 7 7/8" hole with fresh water**

**Date:** 3/11/2010

NDSI #2 at 1627. 1 Days Since Spud - P/U 12 1/4" Bit, Mud Motor, Kelly, Redrill Rathole - Rig Up Pason Equipment - Cade Taylor With BLM Witnessed Testing. - Manifold To 2000 psi F/10 Mins. Test Surface Casing To 1500 psi F/30 Mins Everything Tested OK. - P/U BHA, Smith MI 616 7 7/8" PDC Bit, 6.50 Hunting 7/8 4.8 .33 1.5 Degree Mud Motor. Collar 1x30' - Monel, 1x4.52' Gap Sub, 1x2.14 Antena Sub, 1x30' Monel Collar, 26jts 4 1/2" HWDP. Tag @ 275' - Drill 7 7/8" Hole From 275' To 1627', 20,000 WOB, RPM 163, GPM 344, 186.7 fph Avg Rop - No H2S Reported Last 24 Hrs - Boiler 12 Hrs - 3/10/10 MIRU NDSI #2 Set All Surface Equipment W/ Marcus Liddell Trucking ( 6 mile Move From - Accept Rig 3/10/10 @ 2:00 PM R/U B&C Quick Test. Test Kelly, Safety Valves, Pipe, Blind Rams, Choke - Jonah Fed C-7-9-17)

**Daily Cost:** \$0

**Cumulative Cost:** \$92,687

### **SUNDANCE N-11-9-17**

**Drill 7 7/8" hole with fresh water**

**Date:** 3/12/2010

NDSI #2 at 4163. 2 Days Since Spud - Boiler 18 Hrs - No H2s Reported Last 24 Hrs. - Drill 7 7/8" Hole From 2225' To 4163', 20,000 WOB, RPM 163, GPM 344, 117.4 fph AVG Rop - Rig Service, Check Crown-A-Matic, Function Test Bop's, ( Bop Drill 1min All Hands In Place) - Drill 7 7/8" Hole From 1627' To 2225', 17,000 WOB, 163 RPM, 344 GPM, 85.4 fph avg rop - No Flow @ 4100'

**Daily Cost:** \$0

**Cumulative Cost:** \$116,309

### **SUNDANCE N-11-9-17**

**Drill 7 7/8" hole with fresh water**

**Date:** 3/13/2010

NDSI #2 at 5891. 3 Days Since Spud - Drill 7 7/8" Hole F/ 4575' to 5891' TD W/ 20,000 WOB, 163 TRPM, 395GPM, 71fph Total ROP - Rig Service, Check Crown-A-Matic, Function Test Bop's,

( Bop Drill 1min All Hands In Place) - Drill 7 7/8" Hole F/ 4163' to 4575' 20,000 WOB, 163 TRPM, 395GPM, 71fph Total ROP

**Daily Cost:** \$0

**Cumulative Cost:** \$147,681

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**SUNDANCE N-11-9-17**

**Waiting on Cement**

**Date:** 3/14/2010

NDSI #2 at 5891. 4 Days Since Spud - 400sks 50:50:2+3%KCL+.5%EC-

1+.25#CF+.05#SF+.3SMS+FP-6L Mixed 2 14.4ppg W/ 1.24 yield 35bbls to pit - Pump 300sks of PL11+3%KCL +5#CF+2#KOL+5sms+FP+SF Mixed @ 11.0ppg W/ 3.50yield - Rig up

Casing Crew and run 133jts of 5 1/2" casing Set @ 5877'KB - Pressure Test 5 1/2" rams to

2,000PSI for ten Minutes tested good - Rig up loggers and log well ( Change to 5 1/2" Casing

Rams ) - Laydown Drillpipe and BHA - Laydown Drillpipe to 4000' kelly up and spot 260bbls of

brine no flow - Circulate and condition hole ( Pump Gel Sweep ) - Nipple down set slips W

90,000 tension - Clean Mud Tanks - Release Rig 2:30 am - Rig up BJ Services and Circulate

W/ Rig pump **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$272,463

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**Pertinent Files: Go to File List**